



A Phoenix Mecano Company



EX-EQUIPMENT

English Version

www.rose-pw.de



In 1969 ROSE Systemtechnik GmbH was founded in Porta Westfalica, Germany. Today ROSE is one of the world's leading and innovative providers of industrial enclosure system engineering, employing over 350 people at the German headquarter.

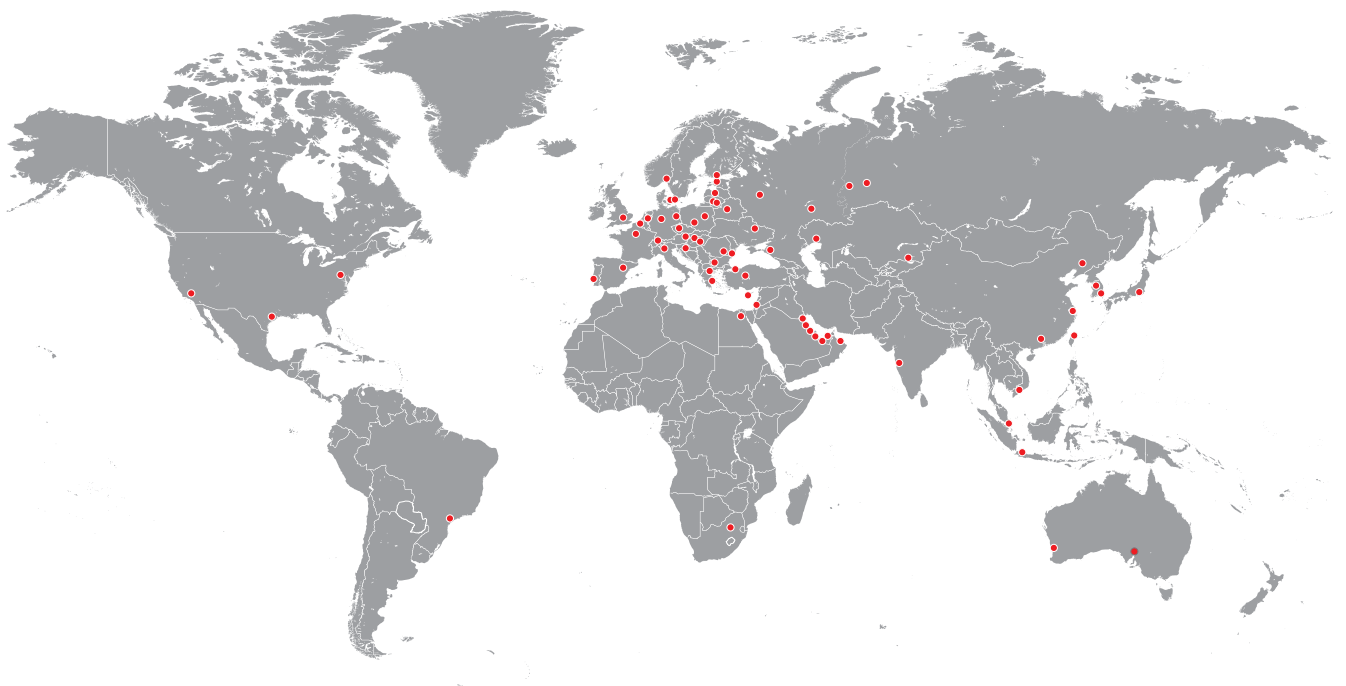
In association with Phoenix Mecano AG, Switzerland, we develop and manufacture high-quality industrial enclosures and system solutions for areas such as mechanical and plant engineering, automation engineering, potentially explosive atmospheres, instrumentation, control and automation technology, as well as the foodstuff and beverage industry.

Our product range comprises the following:

- Standard industrial enclosures made of aluminum, stainless steel and plastics for individual installations of electrical connection technology and electronic components.
- Operating and display enclosures based on aluminum profile systems and stainless steel materials for HMI applications with industrial PCs, PLC control systems and visualization units, including suspension systems.
- Components for explosion protection with junction boxes and control stations for worldwide use in potentially explosive atmospheres, as well as the petrochemical and chemical industry in both onshore and offshore environments.

Our business success is based on a wide range of products, a high quality standard, constant innovation and an exceptional level of service. You decide the condition of delivery – the un-machined enclosure, a partial assembly or a completely assembled and tested customized system solution.

Take advantage of our worldwide sales and marketing network for your international projects.



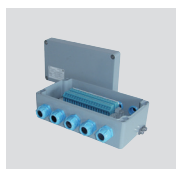
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Ex d Flameproof enclosures



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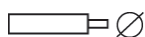


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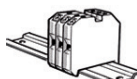
Symbols



Cross connection



max. no. of DIN rails



No. of terminals



max. no. of internal cables



Current

For the entire catalog technical changes are reserved.



Special safety guidelines become relevant that specify the use of Ex tested components apply to all potentially explosive atmospheres. For this purpose, the ATEX directive applies within the EU and regulates the safe operation of plants and systems in potentially explosive areas. In other countries and continents, other safety guidelines apply in this area (IECEX, TR-TS, NEC, etc.) – often these are derivations of the European ATEX legislation.

Ex enclosures made of aluminium, polyester and stainless steel as well as control stations and other Ex equipment offer reliable basic protection for electrical distributions used in potentially explosive areas. The application range of the products is categorised in zone 1 and 2 for gas explosion protection, and in zone 21 and 22 for dust explosion protection. For different applications, different protection concepts will be available:

- Ex eb increased safety
- Ex ia intrinsically safety
- Ex db flameproof encapsulation
- Ex tb protection by enclosure

Typical application ranges include:

- Chemical and petrochemical industry
- Process industry
- Lacquer-processing industry
- Mining
- Silo installation



ROSE Ex products are in accordance with all EC harmonized standards as well as the ATEX guideline and worldwide IECEx scheme:

EN/IEC 60079-0, EN/IEC 60079-1, EN/IEC 60079-7, EN/IEC 60079-11, EN/IEC 60079-15, EN/IEC 60079-18, EN/IEC 60079-28, and EN/IEC 60079-31.



Protection concepts:

- Ex eb (increased safety)
- Ex ia (intrinsically safety)
- Ex db (flameproof encapsulation)
- Ex tb (protection by enclosures)

■ Approvals



Operating under arctic conditions up to temperatures of -55 °C.



Extreme climatic conditions, aggressive environment?

ROSE Ex products have fulfilled the most versatile demands worldwide for years - either in arctic areas with low temperatures - or in hot desert areas with high temperatures.

For more than 30 years, ROSE Ex enclosures made of stainless steel, GRP polyester and aluminium have proved reliable Ex appliances and are used by renowned plant contractors, EPC's and owners all over the world.

Operating under tropical conditions up to temperatures +90 °C.



ROSE Ex Equipment



Ex eb / Ex ia Junction boxes

- Ex Junction boxes with ATEX, IECEx and other certifications (see respective product ranges)
- Complete fitting with terminals and glands
- Material: Stainless steel, GRP Polyester, Aluminium

Application area:

 Ex eb  Ex ia  Ex tb



Flameproof enclosure systems Ex db

- Application areas IIB or IIC
- Ex Enclosures with ATEX, IECEx and other certifications (see respective product ranges)
- Complete assembly with electromechanical components and glands
- Material: Stainless steel, Aluminium

Application area:

 Ex db  Ex tb



Ex eb and Ex db Control Stations

- Ex enclosures with ATEX, IECEx and other certifications
- Complete assembly with switches, push buttons, pilote lamps and glands
- Material: Stainless steel, Aluminium, GRP Polyester



Various criteria must be taken into consideration when selecting an Ex device:

- Ex relevant criteria (zoning, temperature range, gas or dust atmosphere)
- fitting location (internal or external use, Onshore or Offshore)
- dimension (depends on the fittings)
- protective functions (ingress protection, EMC toughness)

Material specification of base enclosure

Aluminium

- Light, robust metal enclosure
- good chemical resistance (see table page 10)
- can be used in a wide temperature range
- optional EMC version
- excellent machining options
- application areas: suitable for internal and external use, special version for use in aggressive or sea-water environments

Stainless steel

- corrosion-proof metal enclosure
- good chemical resistance (see table page 10)
- can be used in a wide temperature range
- EMC basic screening
- application areas: suitable for internal and external use, chemical industry , Onshore and Offshore

GRP Polyester enclosures

- plastic enclosure for rough environments
- good chemical resistance (see table page 10)
- can be used in a wide temperature range
- good insulation properties
- V-0 version (in accordance with UL)
- application areas: suitable in rough atmospheres, internal and external use

Chemical resistance

Not only the enclosure material is relevant, when assessing if an enclosure is resistant to influence of chemical substances or not, but also the type of sealing has to be taken into consideration.

The table on page 10 only contains information how far materials are typically resistant to such substances. Both the concentration and the ambient temperature have to be taken into account.

General technical information

Chemicals	Aluminium	Stainless steel	Polyester	Silicone
Acetone	+	+	-	•
Formic acid	•	+	10 %	•
Ammonia	+	+	-	+
Petroleum	+	+	+	+
Benzene	+	+	+	-
Brake fluid	/	/	+	+
Butane	+	/	/	-
Butanol	/	/	+	-
Calcium chloride	+	+	+	/
Chlorobenzene	+	/	+	-
Diesel oil	/	/	+	•
Acetic acid	+	+	40 %	-
Formaldehyde	+	+	30 %	+
Frigen 113	/	/	+	/
Fruit juice	/	+	+	+
Glycerine	+	+	+	+
Heating oil	+	+	+	•
Hydraulic oil	/	/	+	•
Lime potash	/	+	-	/
Potassium chloride	•	+	+	+
Potassium hydroxide	-	+	-	•
Linseed oil	+	+	+	•
Methanol	+	+	-	+
Methylene chloride	+	+	-	-
Lactic acid	+	+	+	/
Mineral oils	/	/	+	+
Engine oils	/	/	+	+
Sodium carbonate	•	+	+	/
Sodium chloride	•	•	+	+
Sodium hydroxide	+	+	-	•
Caustic soda	/	+	40 %	-
Nitric acid	+	+	10 %	-
Hydrochloric acid	/	+	+	/
Lubricating oil	+	+	+	+
Carbon disulfide	+	+	-	-
Sulphuric acid	•	+	70 %	25 %
Soapy lye	/	+	+	+
Detergent	/	+	/	+
Turpentine oil	/	/	+	-
Carbon tetrachloride	+	/	+	-
Toluene	+	/	+	-
Trichlorethylene	+	/	-	-
Water (distilled water, fresh water, tap water, saltwater)	/	+	+	+
Tartaric acid	/	/	+	+
Xylene	+	/	+	-
Zinc sulphate	•	/	+	+
Citric acid	+	/	+	+

Symbol definition

- + resistant to all concentrations
- % resistant to a maximum concentration in %
- conditional resistance
- non resistance
- / no information



Marking in areas with combustable dust

Marking in accordance to ATEX
guideline 2014/34/EU

Marking in accordance to
IEC 60079-0/EN 60079-0



Equipment group
I: Mining
II: other hazardous areas

	Equipment category according to ATEX-Directive 2014/34/EU	EPL (Equipment Protection Level)	Zone	Type of danger
Dust	1 D	Da	20	Continuous, long, frequent
	2 D	Db	21	Occasional
	3 D	Dc	22	Not usually present, short periods only
Mining	M1	Ma		Continuous, long, frequent
	M2	Mb		Occasional



MAXIMUM ALLOWED SURFACE TEMPERATURE		
IGNITION TEMPERATURES FOR COMBUSTIBLE DUSTS		
Dusts	Typical IgnitionTemp. (°C)	
	Cloud	Layer
Aluminium	590	1 D
Coal dust (lignite)	380	1 D or 2 D
Flour	490	
Grain dust	510	
Methyl cellulose	420	
Phenolic resin	530	
Polythene	420	
PVC	700	
Soot	810	
Starch	460	
Sugar	490	1 D, 2 D or 3 D

TYPES OF PROTECTION FOR ELECTRICAL APPARATUS IN AREAS WITH COMBUSTIBLE DUST					
Protection Method		Zone	Protection concept	Standards	
				IEC Norm	CENELEC
	Alternative				
 Protection by enclosure	ta	20	Ex atmosphere is kept apart from ignition source and temperature limitation old marking: tD A21 = under procedure A for Zone 21 tD B21 = under procedure B for Zone 22	IEC 60079-31	EN 60079-31
	tb	21			
	tc	22			
 Pressurized enclosure	pb	20	Ex atmosphere is kept apart from ignition source and temperature limitation	IEC 61241-4	EN 61241-4
	pc	21			
 Intrinsic safety	ia	20	Energy limitation of sparks and high temperatures	IEC 60079-11	EN 60079-11
	ib	21			
	ic	22			
 Encapsulation	ma	20	Ex atmosphere is kept apart from ignition source	IEC 60079-18	EN 60079-18
	mb	21			
	mc	22			

Symbol IIIA, IIIB or IIIC for electrical apparatus in area with combustable dust

General technical information

Marking in areas with flammable gases

Marking in accordance to ATEX guideline 2014/34/EU



Marking in accordance to IEC 60079-0/ EN 60079-0



TYPES OF PROTECTION FOR ELECTRICAL APPARATUS IN HAZARDOUS AREAS					
Protection Method	Zone		Schutzprinzip	IEC Norm	CENELEC Norm
			General Requirements	IEC 60079-0	EN 60079-0
 Increased safety	eb	1	No arcs, sparks or hot surfaces	IEC 60079-7	EN 60079-7
 Flameproof enclosure	db	1	Parts that can ignite a hazardous atmosphere are installed in flameproof enclosures which prevent the transmission of an explosion to the ambient atmosphere	IEC 60079-1	EN 60079-1
 Intrinsic safety	ia	0	Energy limitation of sparks and temperatures	IEC 60079-11	EN 60079-11
	ib	1			
	ic	2			
 Type of protection n	nAc	2	non-sparking	IEC 60079-15	EN 60079-15
	nCc	2	hermetically sealed	IEC 60079-15	EN 60079-15
	nRc	2	restricted breathing	IEC 60079-15	EN 60079-15
 Encapsulation	ma	0	Keep flammable gas away from any hot surfaces and ignition capable equipment	IEC 60079-18	EN 60079-18
	mb	1			
	mc	2			
 Pressurized enclosure	pb	1	Keep flammable gas away from any hot surfaces and ignition capable equipment	IEC 60079-2	EN 60079-2
 Powder filling	qb	1	Keep flammable gas away from any hot surfaces and ignition capable equipment	IEC 60079-5	EN 60079-5
 Optical radiation	opa	0	Limit, avoid etc. transmission of optical radiation	IEC 60079-28	EN 60079-28
	opb	1	op is = inherently safe optical radiation		
	ope	2	op pr = protected optical radiation op sh = optical radiation interlock		

Symbol IIA, IIB or IIC for electrical apparatus in hazardous gas areas



General technical information

Equipment group
I: Mining
II: other hazardous areas

	Equipment category according to ATEX-Directive 2014/34/EU	EPL (Equipment Protection Level)	Zone	Type of danger
Gas	1 G	Ga	0	Continuous, long, frequent
	2 G	Gb	1	Occasional
	3 G	Gc	2	Not usually present, short periods only
Mining	M1	Ma		Continuous, long, frequent
	M2	Mb		Occasional

TEMPERATURE CLASSIFICATION						
Gas Group	T1 450 °C	T2 300 °C	T3 200 °C	T4 135 °C	T5 100 °C	T6 85 °C
IIA	Ammonia 630 °C	1,2-Dichloroethane 440 °C	Benzene 220-300 °C	Acetaldehyde 140 °C		
	Carbon Monoxide 605 °C	Ethylbenzene 431 °C	Diesel Fuel 220-300 °C	Triethylamine 190 °C		
	Phenol 595 °C	Ethanol 400 °C	Fuel Oil 220-300 °C			
	Methane 595 °C	Nitromethane 415 °C	Jet fuel 220-300 °C			
	Benzol 555 °C	Trichloroethylene 410 °C	Naphthalene 540 °C			
	Acetone 535 °C	Methylamine 408 °C	Petroleum 288 °C			
	Toluene 535 °C	1-Propanol 385 °C	Pentane 288 °C			
	Ethane 515 °C	Ethylene-Diamine 385 °C	Turpentine 254 °C			
	Acetic Acid 485 °C	Amyl Acetate 380 °C	Hexane 230 °C			
	Propane 470 °C	Butane 365 °C	Heptane 215 °C			
	Xylene 464 °C	Butanol 340 °C	Octane 205 °C			
	Ethyl Acetate 470 °C	Amyl Alcohol 300 °C	Nonane 205 °C			
	Methanol 440 °C					
IIB	City Gas ca. 560 °C	Ethylene Oxide 435 °C	Hydrosulfide 270 °C	Dibutyl Ether 185 °C		
	Hydrogen Cyanide 538 °C	Ethylene 440 °C	Ethylene Glycol 235 °C	Diethyl Ether 175 °C		
IIC		Formaldehyde 424 °C	Tetrahydrofuran 224 °C	Dipropyl Ether 170 °C		
	Hydrogene 560 °C	Acetylene 305 °C				Carbon Disulfide 95 °C

Ex eb / Ex ia Terminal enclosures / Ex Empty enclosures with U-approval



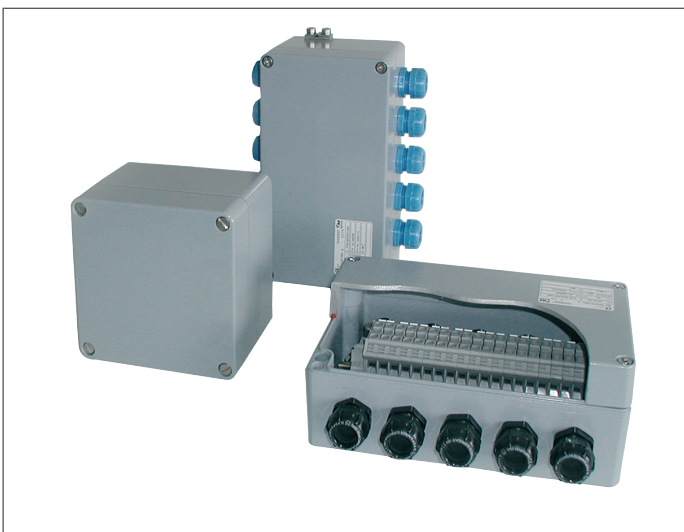
Stainless steel enclosures

- Top quality for highest requirements
- More than 40 different versions and sizes
- Available in standard, flange and hinged version



Polyester enclosures

- Sturdy construction for outdoor and indoor application
- Standard and flange versions
- More than 50 different sizes and variations



Aluminium enclosures

- More than 40 different sizes





- + High-quality enclosure systems for aggressive areas according ATEX and IECEx scheme
- + Empty enclosures with U-approval for individual fittings and Ex eb / Ex ia terminal enclosures
- + Optional version with window

Included in delivery

Empty enclosure: Enclosure system with silicone seal.

Junction box: Enclosure system - depending on execution with silicone seal, DIN rails, internal earthing connection, terminals, continuity plate, manufacturing, cable glands

Technical datas

Explosion protection	II 2 G Ex eb IIC T6/T5/T4 Gb II 2 G Ex ia IIC T6/T5/T4 Gb II 2 G Ex db eb ia [ia] mb IIC T6/T5/T4 Gb II 3 G Ex eb db mb ia [ia Ga] nA nC [op is] IIC T6, T5, T4 Gc II 2 D Ex tb IIIC T85 °C/T100 °C/T135 °C Db IP66
Certificates	PTB 00 ATEX 1101U IECEX PTB 07.0059U; EAC RU C-DE.AA87.B.00637
Material	Stainless steel 1.25 mm or 1.5 mm; 1.4404/316L
Ingress protection	IP66 to EN 60529
Surface	grinded, grain 240
Impact resistance	7 Joule to EN 60079-0
Temperature range	-55 °C to +135 °C
Other execution on request	EMC

Stainless steel Ex IG

Product overview

Ex e		Ex Empty		Ex i		Dimensions H x W x D (mm)	Weight (g)
Order no.	Product type	Order no.	Product type	Order no.	Product type		
35.10 10 06	IGExe 35010	34.10 10 06	IGExB 34010	36.10 10 06	IGExi 36010	100 x 100 x 61	581
35.15 10 06	IGExe 35015	34.15 10 06	IGExB 34015	36.15 10 06	IGExi 36015	100 x 150 x 61	737
35.15 15 08	IGExe 35020	34.15 15 08	IGExB 34020	36.15 15 08	IGExi 36020	150 x 150 x 81	1195
35.20 10 06	IGExe 35025	34.20 10 06	IGExB 34025	36.20 10 06	IGExi 36025	100 x 200 x 61	934
35.20 20 08	IGExe 35030	34.20 20 08	IGExB 34030	36.20 20 08	IGExi 36030	200 x 200 x 81	1812
35.20 20 12	IGExe 35035	34.20 20 12	IGExB 34035	36.20 20 12	IGExi 36035	200 x 200 x 121	2126
35.30 15 08	IGExe 35040	34.30 15 08	IGExB 34040	36.30 15 08	IGExi 36040	150 x 300 x 81	1913
35.30 20 08	IGExe 35045	34.30 20 08	IGExB 34045	36.30 20 08	IGExi 36045	200 x 300 x 81	2387
35.30 20 12	IGExe 35050	34.30 20 12	IGExB 34050	36.30 20 12	IGExi 36050	200 x 300 x 121	2790
35.30 30 12	IGExe 35055	34.30 30 12	IGExB 34055	36.30 30 12	IGExi 36055	300 x 300 x 121	3812
35.30 30 16	IGExe 35060	34.30 30 16	IGExB 34060	36.30 30 16	IGExi 36060	300 x 300 x 161	4121
35.38 38 16	IGExe 35065	34.38 38 16	IGExB 34065	36.38 38 16	IGExi 36065	380 x 380 x 161	5858
35.40 15 08	IGExe 35070	34.40 15 08	IGExB 34070	36.40 15 08	IGExi 36070	150 x 400 x 81	2390
35.40 20 12	IGExe 35075	34.40 20 12	IGExB 34075	36.40 20 12	IGExi 36075	200 x 400 x 121	3403
35.40 30 16	IGExe 35080	34.40 30 16	IGExB 34080	36.40 30 16	IGExi 36080	300 x 400 x 161	5288
35.50 30 16	IGExe 35085	34.50 30 16	IGExB 34085	36.50 30 16	IGExi 36085	300 x 500 x 161	6257
35.50 40 16	IGExe 35090	34.50 40 16	IGExB 34090	36.50 40 16	IGExi 36090	400 x 500 x 161	7353
35.60 20 12	IGExe 35095	34.60 20 12	IGExB 34095	36.60 20 12	IGExi 36095	200 x 600 x 121	5818
35.99 99 99	IGExe 35999	34.99 99 99	IGExB 34100	36.99 99 99	IGExi 36999	Special size on request	

Terminal mounting

	Phoenix Contact											
DIN rail	TS 15	TS 15	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	
Nominal cross section (mm²)	2,5	4	2,5	4	6	10	16	35	50	95	150	
Voltage (V)	352	352	690	690	690	690	690	690	690	880	1100	
Terminal width (mm)	5,2	6,2	5,2	6,2	8,2	10,2	12,2	16,2	20	25	31	
Terminal type												
Enclosure type	MUT 2,5	MUT 4	UT 2,5	UT 4	UT 6	UT 10	UT 16	UT 35	UKH 50	UKH 95	UKH 150	PE bar 1,5 to 6 mm²
XX.10 10 06	10	8										3
XX.15 10 06	19	16										6
XX.15 15 08	19	16	19	16	12	10	8					6
XX.20 10 06	29	24	29	24	18							8
XX.20 20 08	58	48	58	48	36	28	12					8
XX.20 20 12	58	48	58	48	36	28	12	10				8
XX.30 15 08	48	40	48	40	30	24	20					13
XX.30 20 08	96	80	96	80	60	24	20					13
XX.30 20 12	96	80	96	80	60	24	20	15				13
XX.30 30 12	96	80	96	80	60	48	20	15	12			13
XX.30 30 16	96	80	96	80	60	48	40	15	12			13
XX.38 38 16	189	159	189	159	120	96	81	40	16	13	10	18
XX.40 15 08	67	53	67	53	42	34	28					19
XX.40 20 12	134	106	134	106	84	68	28	21	17			19
XX.40 30 16	134	106	134	106	84	68	28	21	17	14		19
XX.50 30 16	172	144	172	144	110	88	74	27	22	18		24
XX.50 40 16	344	288	344	288	220	132	111	54	44	18	12	24
XX.60 20 12	212	178	212	178	134	54	45	34	27			29

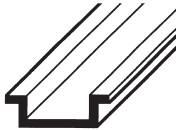
Other suppliers on request



Accessories

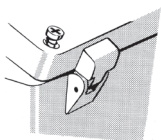
Order no.	DIN rails	External mounting brackets	Mounting plate
XX.10 10 06	•	•	•
XX.15 10 06	•	•	•
XX.15 15 08	•	•	•
XX.20 10 06	•	•	•
XX.20 20 08	•	•	•
XX.20 20 12	•	•	•
XX.30 15 08	•	•	•
XX.30 20 08	•	•	•
XX.30 20 12	•	•	•
XX.30 30 12	•	•	•
XX.30 30 16	•	•	•
XX.38 38 16	•	•	•
XX.40 15 08	•	•	•
XX.40 20 12	•	•	•
XX.40 30 16	•	•	•
XX.50 30 16	•	•	•
XX.50 40 16	•	•	•
XX.60 20 12	•	•	•
XX.99 99 99			

DIN rails



Order no.	Version
10.06 14 41	TS 35/7.5 for XX.10 10 069
10.06 14 35	TS 35/7.5 for XX.15 10 06, XX.15 15 08
10.06 14 37	TS 35/7.5 for XX.20 10 06, XX.20 20 08, XX.20 20 12
10.06 14 36	TS 35/7.5 for XX.30 15 08, XX.30 20 08, XX.30 20 12, XX.30 30 12, XX.30 30 16
10.06 14 39	TS 35/7.5 for XX.38 38 16
10.06 14 38	TS 35/7.5 for XX.40 15 08, XX.40 20 12, XX.40 30 16
10.06 14 40	TS 35/7.5 for XX.50 30 16, XX.50 40 16
10.06 14 42	TS 35/7.5 for XX.60 20 12

External hinges



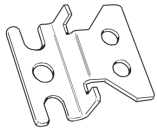
Set = 2 pcs

Order no.
37.00 00 02

Stainless steel Ex IG

Accessories

External mounting brackets

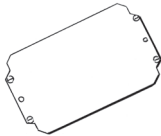


set = 4 pcs

Order no.

37.10 50 00	External mounting bracket
37.99 00 01	Mounting set

Mounting plate



Order no.

Version

10.01 10 53	for XX.10 10 06
10.01 10 43	for XX.40 20 12
10.01 10 38	for XX.15 15 08
10.01 10 55	for XX.20 10 06
10.01 10 40	for XX.20 20 08, XX.20 20 12
10.01 10 39	for XX.30 15 08
10.01 10 41	for XX.30 20 08, XX.30 20 12
10.01 10 44	for XX.30 30 12, XX.30 30 16, XX.00 33 16
10.01 10 45	for XX.38 38 16, XX.00 44 16, XX.00 44 21
10.01 10 56	for XX.40 15 08
10.01 10 48	for XX.40 30 16
10.01 10 57	for XX.50 30 16, XX.00 53 16
10.01 10 49	for XX.50 40 16
10.01 10 58	for XX.60 20 12

PE bar 1.5 to 6 mm²



Order no.

Version

12.05 43 01	for XX.10 10 06
12.05 43 02	for XX.15 10 06, XX.15 15 08
12.05 43 04	for XX.20 10 06, XX.20 20 08, XX.00 22 09, XX.00 22 15
12.05 43 07	for XX.30 15 08, XX.30 20 08, XX.30 20 12, XX.30 30 12, XX.30 30 16, XX.00 33 16
12.05 43 12	for XX.38 38 16, XX.00 44 16, XX.00 44 21
12.05 43 13	for XX.40 15 08, XX.40 20 12, XX.40 30 16
12.05 43 16	for XX.50 30 16, XX.50 40 16, XX.00 53 16
12.05 43 17	for XX.60 20 12, XX.00 63 16, XX.00 64 21



Technical details

											
Order no.	Product type				Dimensions H x W x D (mm)						
34.10 10 06	IGExB 34010				100 x 100 x 61						
35.10 10 06	IGExe 35010				100 x 100 x 61						
36.10 10 06	IGExi 36010				100 x 100 x 61						

	1,5	2,5	4	6	10	16	25	35	50	70	95
	11	11	7	7							
	1	1	1	1							
 x A	6										
	10	19	36								
	16	7	13	22							
	20	3	8	14	23						
	25		4	8	14						
	35			2	6						
	50										
	63										
	80										
	100										
	125										
	160										
	200										
	225										
	250										
	315										
	400										
	500										

Maximum number of cable glands		
		
M	Side	
	A/B	C/D
12	6	4
16	2	
20	2	
25		
32		
40		
50		
63		
75		
85		

DIN rail	TS 15
Length (mm)	90
max. fitting length (mm)	52
External earth (mm²)	6

											
Order no.	Product type				Dimensions H x W x D (mm)						
34.15 10 06	IGExB 34015				100 x 150 x 61						
35.15 10 06	IGExe 35015				100 x 150 x 61						
36.15 10 06	IGExi 36015				100 x 150 x 61						

	1,5	2,5	4	6	10	16	25	35	50	70	95
	20	20	16	12							
	1	1	1	1							
 x A	6										
	10	21	38								
	16	8	14	24							
	20	3	9	15	25						
	25		4	9	15						
	35			2	7						
	50										
	63										
	80										
	100										
	125										
	160										
	200										
	225										
	250										
	315										
	400										
	500										

Maximum number of cable glands		
		
M	Side	
	A/B	C/D
12	11	4
16	4	
20	3	
25		
32		
40		
50		
63		
75		
85		

DIN rail	TS 15
Length (mm)	140
max. fitting length (mm)	102
External earth (mm²)	6

Stainless steel Ex IG

Technical details



Order no.	Product type	Dimensions H x W x D (mm)
34.15 15 08	IGExB 34020	150 x 150 x 81
35.15 15 08	IGExe 35020	150 x 150 x 81
36.15 15 08	IGExi 36020	150 x 150 x 81

	1,5	2,5	4	6	10	16	25	35	50	70	95
	24	20	16	12	10	8					
	1	1	1	1	1	1					
	6										
	10	27	50								
	16	10	19	31							
	20	4	11	20	33						
	25		5	12	20						
	35			3	9	18					
	50					7	15				
	63					2	8				
	80						3				
	100										
	125										
	160										
	200										
	225										
	250										
	315										
	400										
	500										

Maximum number of cable glands



M	Side	
	A/B	C/D
12	15	12
16	8	5
20	6	4
25	3	3
32	2	
40		
50		
63		
75		
85		

DIN rail	TS 35
Length (mm)	140
max. fitting length (mm)	102
External earth (mm²)	16



Order no.	Product type	Dimensions H x W x D (mm)
34.20 10 06	IGExB 34025	100 x 200 x 61
35.20 10 06	IGExe 35025	100 x 200 x 61
36.20 10 06	IGExi 36025	100 x 200 x 61

	1,5	2,5	4	6	10	16	25	35	50	70	95
	30	30	24	18							
	1	1	1	1							
	6										
	10	21	39								
	16	8	14	24							
	20	3	9	15	26						
	25		4	9	15						
	35			3	7						
	50										
	63										
	80										
	100										
	125										
	160										
	200										
	225										
	250										
	315										
	400										
	500										

Maximum number of cable glands



M	Side	
	A/B	C/D
12	16	4
16	6	
20	5	
25		
32		
40		
50		
63		
75		
85		

DIN rail	TS 15
Length (mm)	190
max. fitting length (mm)	152
External earth (mm²)	6

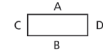


Technical details



Order no.	Product type	Dimensions H x W x D (mm)
34.20 20 08	IGExB 34030	200 x 200 x 81
35.20 20 08	IGExe 35030	200 x 200 x 81
36.20 20 08	IGExi 36030	200 x 200 x 81

Maximum number of cable glands



	1,5	2,5	4	6	10	16	25	35	50	70	95
	76	60	50	38	30	13					
	2	2	2	2	2	1					
 x A	6										
	10	32	58								
	16	12	22	36							
	20	5	13	23	39						
	25		6	14	23						
	35			4	10	21					
	50					8	17				
	63					3	9				
	80						4				
	100										
	125										
	160										
	200										
	225										
	250										
	315										
	400										
	500										

M	Side	
	A/B	C/D
12	24	18
16	12	7
20	10	6
25	4	4
32	3	
40		
50		
63		
75		
85		

DIN rail	TS 35
Length (mm)	190
max. fitting length (mm)	152
External earth (mm²)	16



Order no.	Product type	Dimensions H x W x D (mm)
34.20 20 12	IGExB 34035	200 x 200 x 121
35.20 20 12	IGExe 35035	200 x 200 x 121
36.20 20 12	IGExi 36035	200 x 200 x 121

Maximum number of cable glands



	1,5	2,5	4	6	10	16	25	35	50	70	95
	76	60	50	38	30	13	10	10			
	2	2	2	2	1	1	1	1			
 x A	6										
	10	39	71								
	16	15	27	44							
	20	6	16	28	47						
	25		8	17	28						
	35			5	13	25					
	50				2	10	21	68			
	63					3	12	23			
	80						4	12	21		
	100							5	11		
	125								5		
	160										
	200										
	225										
	250										
	315										
	400										
	500										

M	Side	
	A/B	C/D
12	48	45
16	22	20
20	16	18
25	8	8
32	5	4
40	2	2
50	2	2
63	2	2
75		
85		

DIN rail	TS 35
Length (mm)	190
max. fitting length (mm)	152
External earth (mm²)	16

Stainless steel Ex IG

Technical details



Order no.	Product type	Dimensions H x W x D (mm)
34.30 15 08	IGExB 34040	150 x 300 x 81
35.30 15 08	IGExe 35040	150 x 300 x 81
36.30 15 08	IGExi 36040	150 x 300 x 81

	1,5	2,5	4	6	10	16	25	35	50	70	95
	61	50	41	31	25	21					
	1	1	1	1	1	1					
 x A	6										
	10	30	55								
	16	11	21	34							
	20	5	13	22	37						
	25		6	13	22						
	35			4	10	20					
	50					8	16				
	63					2	9				
	80						3				
	100										
	125										
	160										
	200										
	225										
	250										
	315										
	400										
	500										

Maximum number of cable glands



M	Side	
	A/B	C/D
12	42	12
16	20	6
20	17	4
25	7	3
32	5	
40		
50		
63		
75		
85		

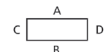
DIN rail	TS 35
Length (mm)	290
max. fitting length (mm)	252
External earth (mm²)	16



Order no.	Product type	Dimensions H x W x D (mm)
34.30 20 08	IGExB 34045	200 x 300 x 81
35.30 20 08	IGExe 35045	200 x 300 x 81
36.30 20 08	IGExi 36045	200 x 300 x 81

	1,5	2,5	4	6	10	16	25	35	50	70	95
	120	96	80	60	24	20					
	2	2	2	2	1	1					
 x A	6										
	10	35	63								
	16	13	24	39							
	20	5	14	25	42						
	25		7	15	25						
	35			4	11	23					
	50					9	19				
	63					3	10				
	80						4				
	100										
	125										
	160										
	200										
	225										
	250										
	315										
	400										
	500										

Maximum number of cable glands



M	Side	
	A/B	C/D
12	42	18
16	20	7
20	17	6
25	7	4
32	5	
40		
50		
63		
75		
85		

DIN rail	TS 35
Length (mm)	290
max. fitting length (mm)	252
External earth (mm²)	16



Technical details



Order no.	Product type	Dimensions H x W x D (mm)
34.30 20 12	IGExB 34050	200 x 300 x 121
35.30 20 12	IGExe 35050	200 x 300 x 121
36.30 20 12	IGExi 36050	200 x 300 x 121

	1,5	2,5	4	6	10	16	25	35	50	70	95
	120	96	80	60	24	20	16	16			
	2	2	2	2	1	1	1	1			
	6										
	10	42	76								
	16	16	28	47							
	20	6	17	30	51						
	25		8	18	30						
	35			5	14	27					
	50				2	11	22	73			
	63					4	12	24			
	80						5	13	22		
	100							6	12		
	125								5		
	160										
	200										
	225										
	250										
	315										
	400										
	500										

Maximum number of cable glands		
M	Side	
	A/B	C/D
12	84	45
16	38	20
20	28	18
25	14	8
32	9	4
40	4	2
50	3	2
63	3	2
75		
85		

DIN rail	TS 35
Length (mm)	290
max. fitting length (mm)	252
External earth (mm²)	16



Order no.	Product type	Dimensions H x W x D (mm)
34.30 30 12	IGExB 34055	300 x 300 x 121
35.30 30 12	IGExe 35055	300 x 300 x 121
36.30 30 12	IGExi 36055	300 x 300 x 121

	1,5	2,5	4	6	10	16	25	35	50	70	95
	120	96	80	60	48	20	16	16	12		
	2	2	2	2	2	1	1	1	1		
	6										
	10	48	87								
	16	18	33	54							
	20	8	20	34	58						
	25		10	21	35						
	35			6	16	31					
	50				2	13	26	84			
	63					4	14	28			
	80						6	15	25		
	100							7	14	25	
	125								6	13	
	160									5	
	200										
	225										
	250										
	315										
	400										
	500										

Maximum number of cable glands		
M	Side	
	A/B	C/D
12	84	75
16	38	32
20	28	27
25	14	14
32	9	7
40	4	4
50	3	3
63	3	3
75		
85		

DIN rail	TS 35
Length (mm)	290
max. fitting length (mm)	252
External earth (mm²)	25

Stainless steel Ex IG

Technical details



Order no.	Product type	Dimensions H x W x D (mm)
34.30 30 16	IGExB 34060	300 x 300 x 161
35.30 30 16	IGExe 35060	300 x 300 x 161
36.30 30 16	IGExi 36060	300 x 300 x 161

	1,5	2,5	4	6	10	16	25	35	50	70	95
	126	102	87	63	51	40	16	16	12		
	2	2	2	2	2	2	1	1	1		
	6										
	10	55	100								
	16	21	38	62							
	20	9	23	39	67						
	25		11	24	40						
	35			7	18	36					
	50				2	15	30	96			
	63					5	16	32			
	80						6	17	29		
	100							8	16	29	
	125								7	15	
	160									6	
	200										
	225										
	250										
	315										
	400										
	500										

Maximum number of cable glands



M	Side	
	A/B	C/D
12	112	120
16	54	50
20	45	45
25	22	21
32	14	12
40	8	8
50	6	6
63	5	4
75		
85		

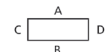
DIN rail	TS 35
Length (mm)	290
max. fitting length (mm)	252
External earth (mm²)	25



Order no.	Product type	Dimensions H x W x D (mm)
34.38 38 16	IGExB 34065	380 x 380 x 161
35.38 38 16	IGExe 35065	380 x 380 x 161
36.38 38 16	IGExi 36065	380 x 380 x 161

	1,5	2,5	4	6	10	16	25	35	50	70	95
	240	195	162	123	99	81	44	44	17	13	13
	3	3	3	3	3	3	2	2	1	1	1
	6										
	10	62	113								
	16	24	43	71							
	20	10	26	45	75						
	25		13	28	45						
	35			8	21	41					
	50				3	16	34	109			
	63					6	19	36			
	80						7	19	33		
	100							9	18	33	
	125								8	17	32
	160									7	15
	200										6
	225										2
	250										
	315										
	400										
	500										

Maximum number of cable glands



M	Side	
	A/B	C/D
12	152	152
16	75	65
20	58	58
25	30	27
32	18	17
40	10	10
50	8	8
63	6	5
75		
85		

DIN rail	TS 35
Length (mm)	370
max. fitting length (mm)	332
External earth (mm²)	50

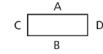


Technical details



Order no.	Product type	Dimensions H x W x D (mm)
34.40 15 08	IGExB 34070	150 x 400 x 81
35.40 15 08	IGExe 35070	150 x 400 x 81
36.40 15 08	IGExi 36070	150 x 400 x 81

Maximum number of cable glands



	1,5	2,5	4	6	10	16	25	35	50	70	95
	85	69	58	43	35	29					
	1	1	1	1	1	1					
	6										
	10	30	56								
	16	12	21	35							
	20	5	13	22	37						
	25		6	13	22						
	35			4	10	20					
	50					8	16				
	63					2	9				
	80						3				
	100										
	125										
	160										
	200										
	225										
	250										
	315										
	400										
	500										

M	Side	
	A/B	C/D
12	57	12
16	29	6
20	24	4
25	9	3
32	7	
40		
50		
63		
75		
85		

DIN rail	TS 35
Length (mm)	390
max. fitting length (mm)	352
External earth (mm²)	16



Order no.	Product type	Dimensions H x W x D (mm)
34.40 20 12	IGExB 34075	200 x 400 x 121
35.40 20 12	IGExe 35075	200 x 400 x 121
36.40 20 12	IGExi 36075	200 x 400 x 121

Maximum number of cable glands



	1,5	2,5	4	6	10	16	25	35	50	70	95
	172	138	116	88	70	29	23	23	18		
	2	2	2	2	2	1	1	1	1		
	6										
	10	43	78								
	16	16	29	48							
	20	7	18	31	52						
	25		9	19	31						
	35			6	14	28					
	50				2	11	23	74			
	63					4	13	25			
	80						5	13	23		
	100							6	12	23	
	125								5	12	
	160									4	
	200										
	225										
	250										
	315										
	400										
	500										

M	Side	
	A/B	C/D
12	120	45
16	52	20
20	40	18
25	20	8
32	13	4
40	6	2
50	5	2
63	4	2
75		
85		

DIN rail	TS 35
Length (mm)	390
max. fitting length (mm)	352
External earth (mm²)	25

Stainless steel Ex IG

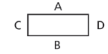
Technical details



Order no.	Product type	Dimensions H x W x D (mm)
34.40 30 16	IGExB 34080	300 x 400 x 161
35.40 30 16	IGExe 35080	300 x 400 x 161
36.40 30 16	IGExi 36080	300 x 400 x 161

	1,5	2,5	4	6	10	16	25	35	50	70	95
	172	138	116	88	70	29	23	23	18	14	14
	2	2	2	2	2	1	1	1	1	1	1
	6										
	10	58	106								
	16	22	40	66							
	20	9	25	42	71						
	25		12	26	42						
	35			8	19	38					
	50				3	15	31	102			
	63					5	17	34			
	80						7	18	31		
	100							8	17	31	
	125								7	16	30
	160									6	14
	200										5
	225										2
	250										
	315										4
	400										
	500										

Maximum number of cable glands



M	Side	
	A/B	C/D
12	160	120
16	102	50
20	60	45
25	32	21
32	20	12
40	11	8
50	9	6
63	7	4
75		
85		

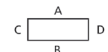
DIN rail	TS 35
Length (mm)	390
max. fitting length (mm)	352
External earth (mm²)	50



Order no.	Product type	Dimensions H x W x D (mm)
34.50 30 16	IGExB 34085	300 x 500 x 161
35.50 30 16	IGExe 35085	300 x 500 x 161
36.50 30 16	IGExi 36085	300 x 500 x 161

	1,5	2,5	4	6	10	16	25	35	50	70	95
	214	172	144	108	88	72	29	29	26	18	18
	2	2	2	2	2	2	1	1	1	1	1
	6										
	10	60	109								
	16	23	41	68							
	20	10	25	43	72						
	25		12	27	43						
	35			8	20	39					
	50				3	16	32	105			
	63					5	18	35			
	80						7	19	32		
	100							9	17	32	
	125								7	17	31
	160									6	14
	200										6
	225										2
	250										
	315										4
	400										
	500										

Maximum number of cable glands



M	Side	
	A/B	C/D
12	208	120
16	102	50
20	80	45
25	42	21
32	28	12
40	14	8
50	12	6
63	9	4
75		
85		

DIN rail	TS 35
Length (mm)	490
max. fitting length (mm)	452
External earth (mm²)	50



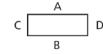
Technical details



Order no.	Product type	Dimensions H x W x D (mm)
34.50 40 16	IGExB 34090	400 x 500 x 161
35.50 40 16	IGExe 35090	400 x 500 x 161
36.50 40 16	IGExi 36090	400 x 500 x 161

	1,5	2,5	4	6	10	16	25	35	50	70	95	120	150	185	240
	425	345	290	215	140	87	46	46	36	14	14	11	11		
 N	4	4	4	4	3	3	2	2	2	1	1	1	1		
 x A	6														
	10	68	123												
	16	26	46	77											
	20	11	28	48	82										
	25		14	30	49										
	35			9	23	44									
	50				3	18	36	118							
	63					6	20	40							
	80						8	21	36						
	100							10	19	36					
	125								8	19	35				
	160									7	16	29	73		
	200										6	14	23	40	
	225										2	8	15	24	
	250											5	10	17	
	315												2	6	
	400														
	500														

Maximum number of cable glands



M	Side	
	A/B	C/D
12	208	164
16	102	70
20	80	63
25	42	28
32	28	18
40	14	12
50	12	8
63	9	6
75		
85		

DIN rail	TS 35
Length (mm)	490
max. fitting length (mm)	452
External earth (mm²)	95



Order no.	Product type	Dimensions H x W x D (mm)
34.60 20 12	IGExB 34095	200 x 600 x 121
35.60 20 12	IGExe 35095	200 x 600 x 121
36.60 20 12	IGExi 36095	200 x 600 x 121

	1,5	2,5	4	6	10	16	25	35	50	70	95
	262	212	178	134	54	45	36	36	27		
 N	2	2	2	2	1	1	1	1	1		
 x A	6										
	10	43	78								
	16	16	29	49							
	20	7	18	31	52						
	25		9	19	31						
	35			6	14	28					
	50				2	11	23	75			
	63					4	13	25			
	80						5	13	23		
	100							6	12	23	
	125								5	12	
	160									4	
	200										
	225										
	250										
	315										
	400										
	500										

Maximum number of cable glands



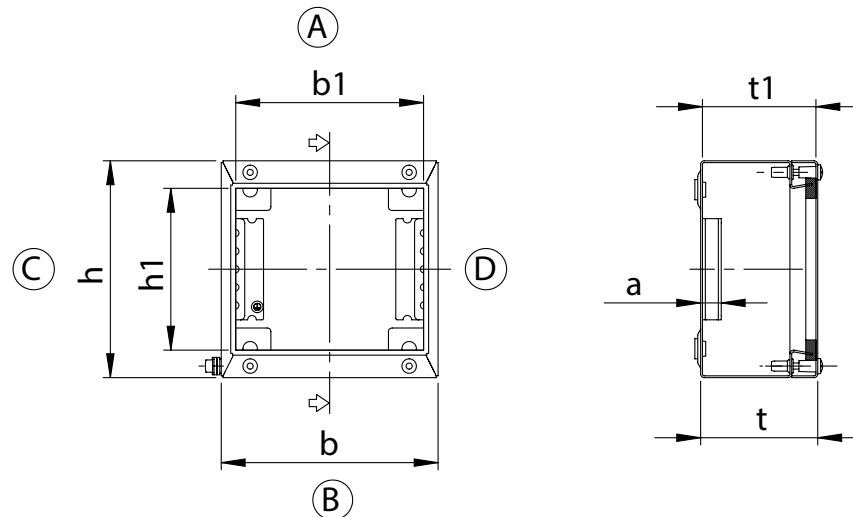
M	Side	
	A/B	C/D
12	192	45
16	64	20
20	64	18
25	32	8
32	22	4
40	10	2
50	8	2
63	7	2
75		
85		

DIN rail	TS 35
Length (mm)	590
max. fitting length (mm)	552
External earth (mm²)	25

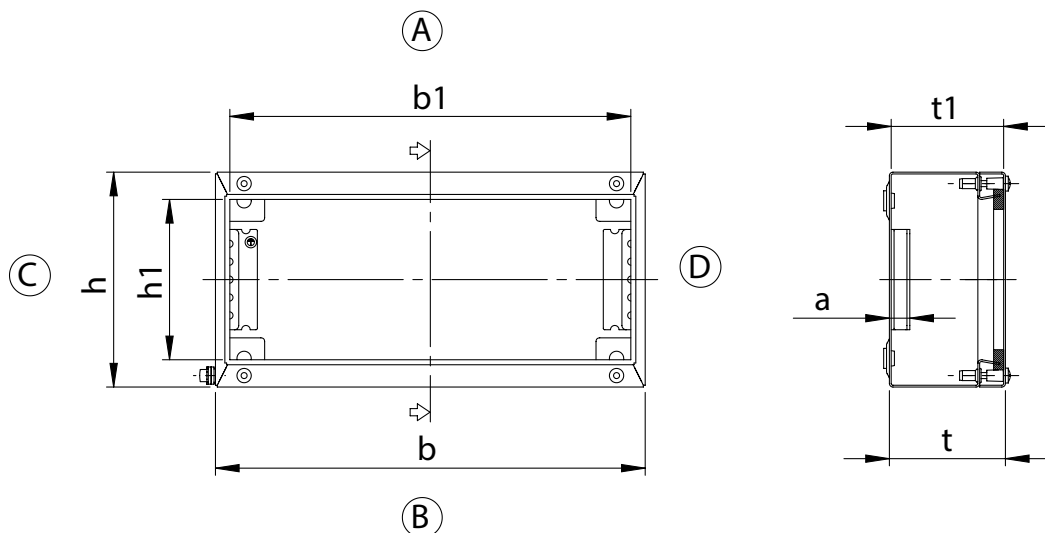
Stainless steel Ex IG

Technical details

Order no.	b	h	t	b1	h1	t1	a
XX.10 10 06	100	100	61	97,5	97,5	58,5	13
XX.15 15 08	150	150	81	147,5	147,5	78,5	13
XX.20 20 08	200	200	81	197,5	197,5	78,5	13
XX.20 20 12	200	200	121	197,5	197,5	118,5	13
XX.30 30 12	300	300	121	297,5	297,5	118,5	13
XX.30 30 16	300	300	161	297,5	297,5	158,5	13
XX.38 38 16	380	380	161	377,5	377,5	158,5	13



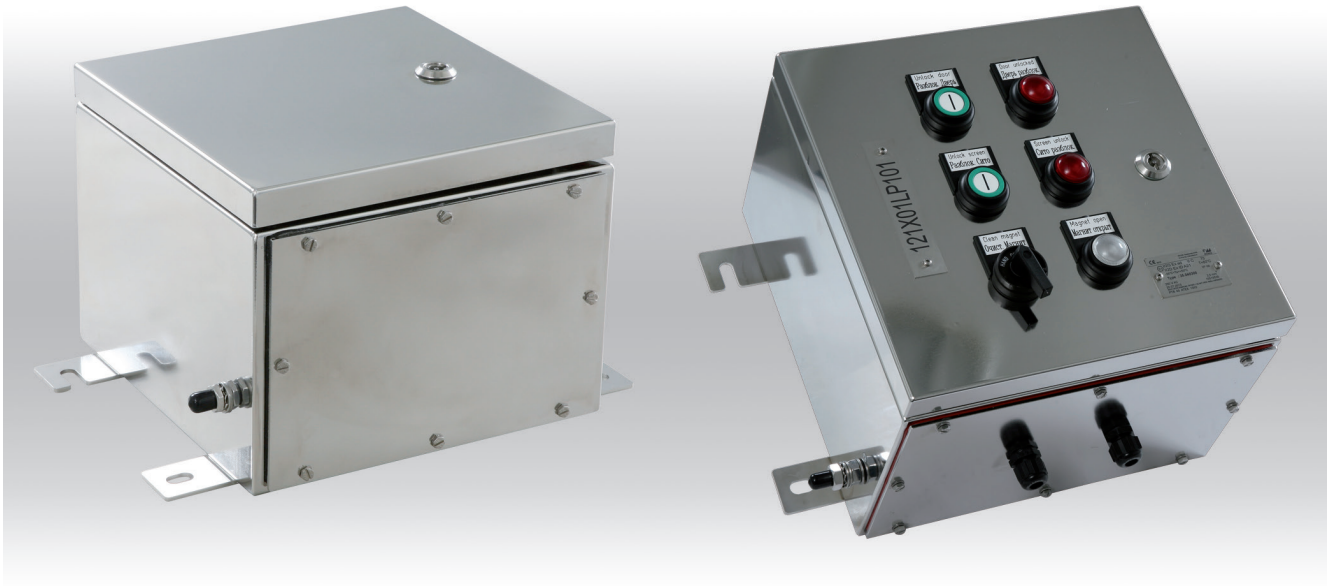
Order no.	b	h	t	b1	h1	t1	a
XX.15 10 06	150	100	61	147,5	97,5	58,5	13
XX.20 10 06	200	100	61	197,5	97,5	58,5	13
XX.30 15 08	300	150	81	297,5	147,5	78,5	13
XX.30 20 08	300	200	81	297,5	197,5	78,5	13
XX.30 20 12	300	200	121	297,5	197,5	118,5	13
XX.40 15 08	400	150	81	397,5	147,5	78,5	13
XX.40 20 12	400	200	121	397,5	197,5	118,5	13
XX.40 30 16	400	300	161	397,5	297,5	158,5	13
XX.50 30 16	500	300	161	497,5	297,5	158,5	13
XX.50 40 16	500	400	161	497,5	397,5	158,5	13
XX.60 20 12	600	200	121	597	197	118	13



For detailed drawings visit www.rose-pw.de



Ex stainless steel flange ProtEx



- + Top quality stainless steel flange enclosures for aggressive environments
- + Empty enclosure with U-approval for individual fittings or Ex eb / Ex ia junction box
- + Standard with 1 flange, optional up to 4 flanges

Included in delivery

Empty enclosure: Enclosure with hinged lid, double-ward lock, flange plates (3 mm) silicone lid seal, silicone flange seal, welded external brackets, external earth bolt M10, internal fixing bolts, from enclosure type 9 with lid lifting device.

Junction box: Enclosure system - as before with individual fitting, DIN rail, terminals, cable glands

Technical datas

Explosion protection	II 2 G Ex eb IIC T6/T5/T4 Gb II 2 G Ex ia IIC T6/T5/T4 Gb II 2 G Ex db eb ia [ia] mb IIC T6/T5/T4 Gb II 3 G Ex eb db mb ia [ia Ga] nA nC [op is] IIC T6, T5, T4 Gc II 2 D Ex tb IIIC T85 °C/T100 °C/T135 °C Db IP66
Certificates	PTB 00 ATEX 1101U IECEX PTB 07.0059U EAC RU C-DE.AA87.B.00637
Material	Stainless Steel 1.5 mm, 1.4404/316L
Ingress protection	IP66 to EN 60529
Surface	grinded, grain 240
Impact resistance	7 Joule to EN 60079-0
Temperature range	-55 °C to +135 °C
Other execution on request	EMC, electropolished

Ex stainless steel flange ProtEx

Product overview

Ex e		Ex Empty		Ex i		Dimensions H x W x D (mm)	Weight (g)
Order no.	Product type	Order no.	Product type	Order no.	Product type		
35.06 02 00	ProtExe 02	34.06 02 00	ProtExB 02	36.06 02 00	ProtExi 02	260 x 260 x 205	4870
35.06 03 00	ProtExe 03	34.06 03 00	ProtExB 03	36.06 03 00	ProtExi 03	306 x 306 x 205	6010
35.06 04 00	ProtExe 04	34.06 04 00	ProtExB 04	36.06 04 00	ProtExi 04	380 x 260 x 205	6360
35.06 05 00	ProtExe 05	34.06 05 00	ProtExB 05	36.06 05 00	ProtExi 05	458 x 382 x 205	9120
35.06 06 00	ProtExe 06	34.06 06 00	ProtExB 06	36.06 06 00	ProtExi 06	480 x 480 x 205	11010
35.06 07 00	ProtExe 07	34.06 07 00	ProtExB 07	36.06 07 00	ProtExi 07	500 x 350 x 205	9190
35.06 08 00	ProtExe 08	34.06 08 00	ProtExB 08	36.06 08 00	ProtExi 08	620 x 450 x 205	12790
35.06 09 00	ProtExe 09	34.06 09 00	ProtExB 09	36.06 09 00	ProtExi 09	740 x 550 x 205	18200
35.06 10 00	ProtExe 10	34.06 10 00	ProtExB 10	36.06 10 00	ProtExi 10	762 x 508 x 205	13930
35.06 11 00	ProtExe 11	34.06 11 00	ProtExB 11	36.06 11 00	ProtExi 11	860 x 640 x 205	18540
35.06 12 00	ProtExe 12	34.06 12 00	ProtExB 12	36.06 12 00	ProtExi 12	914 x 610 x 205	23460
35.06 13 00	ProtExe 13	34.06 13 00	ProtExB 13	36.06 13 00	ProtExi 13	980 x 740 x 205	19040

Terminal mounting

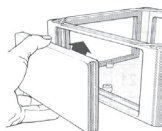
	Phoenix Contact											
DIN rail	TS 15	TS 15	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35
Nominal cross section (mm²)	2,5	4	2,5	4	6	10	16	35	50	95	150	240
Voltage (V)	352	352	690	690	690	690	690	690	690	880	1100	1100
Terminal width (mm)	5,2	6,2	5,2	6,2	8,2	10,2	12,2	16,2	20	25	31	36
Terminal type												
Enclosure type	MUT 2,5	MUT 4	UT 2,5	UT 4	UT 6	UT 10	UT 16	UT 35	UKH 50	UKH 95	UKH 150	UKH 240
XX.06 02 00	87	72	87	72	54	30	24	9	7			
XX.06 03 00	152	96	152	96	7	58	32	24	9	7		
XX.06 04 00	145	96	145	96	72	60	36	18	14	4		
XX.06 05 00	260	176	260	176	132	104	66	34	26	11	8	7
XX.06 06 00	355	300	355	300	180	146	120	69	36	28	12	10
XX.06 07 00	230	195	230	195	116	69	57	45	24	9	7	6
XX.06 08 00	600	504	600	504	376	228	160	96	57	30	12	10
XX.06 09 00	935	639	935	639	486	301	252	110	44	34	14	12
XX.06 10 00	847	640	847	640	480	312	229	125	60	32	12	11
XX.06 11 00	1326	935	1326	935	715	468	344	165	104	63	34	2
XX.06 12 00	1344	972	1344	972	732	441	328	186	100	60	32	26
XX.06 13 00	1815	1326	1815	1326	1001	620	459	234	155	75	40	34

Other suppliers on request



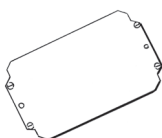
Accessories

Blind flange



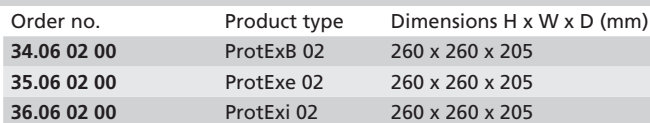
Order no.	Version
34.06 50 03	F2, for XX.06 02 00, XX.06 04 00
34.06 50 04	F3, for XX.06 03 00, XX.06 11 00, XX.06 12 00,
34.06 50 05	F4, for XX.06 05 00, XX.06 07 00, XX.06 13 00,
34.06 50 07	F6, for XX.06 06 00, XX.06 08 00, XX.06 10 00
34.06 50 08	F7, for XX.06 09 00

Mounting plates



Order no.	Version
34.04 51 02	for XX.06 02 00
34.04 51 03	for XX.06 03 00
34.04 51 04	for XX.06 04 00
34.04 51 05	for XX.06 05 00
34.04 51 06	for XX.06 06 00
34.04 51 07	for XX.06 07 00
34.04 51 08	for XX.06 08 00
34.04 51 09	for XX.06 09 00
34.04 51 10	for XX.06 10 00
34.04 51 11	for XX.06 11 00
34.04 51 12	for XX.06 12 00
34.04 51 13	for XX.06 13 00

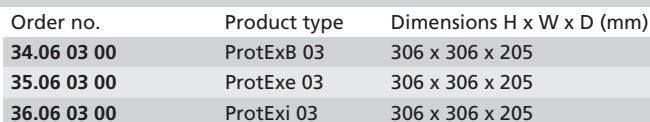
Technical details



Maximum number of
cable glands



DIN rail	TS 35
Length (mm)	198
max. fitting length (mm)	153
External earth stud	M10



Maximum number of
cable glands



DIN rail	TS 35
Length (mm)	244
max. fitting length (mm)	199
External earth stud	M10



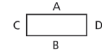
Ex stainless steel flange ProtEx

Technical details



Order no.	Product type	Dimensions H x W x D (mm)
34.06 04 00	ProtExB 04	380 x 260 x 205
35.06 04 00	ProtExe 04	380 x 260 x 205
36.06 04 00	ProtExi 04	380 x 260 x 205

Maximum number of cable glands



	1,5	2,5	4	6	10	16	25	35	50	70	95	120
	186	150	126	93	52	42	18	18	13	10	5	4
U N	5	5	4	4	4	3	2	2	1	1	1	1
x A	6											
	10	63	114									
	16	24	43	71								
	20	10	26	45	76							
	25		13	28	45							
	35			8	21	41						
	50				3	17	34	109				
	63					6	19	37				
	80						7	20	33			
	100							9	18	33		
	125								8	17	32	
	160									7	15	27
	200										6	13
	225											2
	250											4
	315											
	400											
	500											

M	Side	
	A/B	C/D
12	98	125
16	43	58
20	34	43
25	18	24
32	10	13
40	6	8
50	4	6
63	4	6
75		
85		

DIN rail	TS 35
Length (mm)	198
max. fitting length (mm)	153
External earth stud	M10



Order no.	Product type	Dimensions H x W x D (mm)
34.06 05 00	ProtExB 05	458 x 382 x 205
35.06 05 00	ProtExe 05	458 x 382 x 205
36.06 05 00	ProtExi 05	458 x 382 x 205

Maximum number of cable glands



	1,5	2,5	4	6	10	16	25	35	50	70	95	120	150	185	240
	400	325	252	192	132	84	51	44	26	13	13	10	8	7	7
U N	5	5	4	4	4	3	2	2	2	1	1	1	1	1	1
x A	6														
	10	73	133												
	16	28	50	83											
	20	12	31	52	88										
	25		15	32	53										
	35			10	24	48									
	50				3	19	39	127							
	63					7	22	43							
	80						9	23	39						
	100							11	21	39					
	125								9	20	38				
	160									8	18	31	79		
	200										7	15	25	43	
	225											2	9	17	26
	250												5	11	18
	315													2	7
	400														3
	500														

M	Side	
	A/B	C/D
12	147	179
16	67	79
20	53	63
25	28	34
32	16	19
40	8	9
50	8	8
63	6	8
75		
85		

DIN rail	TS 35
Length (mm)	320
max. fitting length (mm)	275
External earth stud	M10

Ex stainless steel flange ProtEx

Technical details



Order no.	Product type	Dimensions H x W x D (mm)
34.06 06 00	ProtExB 06	480 x 480 x 205
35.06 06 00	ProtExe 06	480 x 480 x 205
36.06 06 00	ProtExi 06	480 x 480 x 205

	1,5	2,5	4	6	10	16	25	35	50	70	95	120	150	185	240
	602	483	348	264	175	116	69	69	36	28	14	11	11	10	10
	5	5	5	4	4	4	3	3	2	2	2	1	1	1	1
	6														
	10	79	144												
	16	30	54	90											
	20	13	33	57	96										
	25		16	35	57										
	35			11	27	51									
	50				4	21	43	138							
	63					7	24	46							
	80						10	25	42						
	100							11	23	42					
	125								10	22	41				
	160									8	19	34	86		
	200										8	16	27	47	
	225										3	10	18	28	57
	250											5	12	20	32
	315												3	7	14
	400														3
	500														10

Maximum number of cable glands



M	Side	
	A/B	C/D
12	201	179
16	91	79
20	70	63
25	38	34
32	22	19
40	12	9
50	10	8
63	8	8
75		
85		

DIN rail	TS 35
Length (mm)	418
max. fitting length (mm)	373
External earth stud	M10



Order no.	Product type	Dimensions H x W x D (mm)
34.06 07 00	ProtExB 07	500 x 350 x 205
35.06 07 00	ProtExe 07	500 x 350 x 205
36.06 07 00	ProtExi 07	500 x 350 x 205

	1,5	2,5	4	6	10	16	25	35	50	70	95	120	150	185	240
	450	365	244	184	111	93	50	50	22	18	15	7	7	6	6
	5	5	5	4	3	3	3	3	2	2	1	1	1	1	1
	6														
	10	72	131												
	16	28	49	81											
	20	11	30	51	87										
	25		15	32	52										
	35			10	24	47									
	50				3	19	39	125							
	63					7	21	42							
	80						9	23	38						
	100							10	21	38					
	125								9	20	37				
	160									8	17	30	78		
	200										7	15	24	42	
	225											2	9	16	26
	250												5	11	18
	315													2	7
	400														3
	500														9

Maximum number of cable glands



M	Side	
	A/B	C/D
12	147	201
16	67	91
20	53	70
25	28	38
32	16	22
40	8	12
50	8	10
63	6	8
75		
85		

DIN rail	TS 35
Length (mm)	288
max. fitting length (mm)	243
External earth stud	M10



Technical details



Order no.	Product type	Dimensions H x W x D (mm)
34.06 08 00	ProtExB 08	620 x 450 x 205
35.06 08 00	ProtExe 08	620 x 450 x 205
36.06 08 00	ProtExi 08	620 x 450 x 205

Maximum number of cable glands



M	Side	
	A/B	C/D
12	201	255
16	91	115
20	70	88
25	38	48
32	22	28
40	12	16
50	10	14
63	8	12
75		
85		

DIN rail	TS 35
Length (mm)	438
max. fitting length (mm)	393
External earth stud	M10

[illegible]

Order no.	Product type	Dimensions H x W x D (mm)
34.06 09 00	ProtExB 09	740 x 550 x 205
35.06 09 00	ProtExe 09	740 x 550 x 205
36.06 09 00	ProtExi 09	740 x 550 x 205

Maximum number of cable glands



A rectangular cable gland is shown with dimensions labeled: A (width), B (height), C (left side), and D (right side).

M	Side	
	A/B	C/D
12	255	323
16	115	148
20	88	113
25	48	62
32	28	37
40	16	20
50	14	18
63	12	14
75		
85		

DIN rail	TS 35
Length (mm)	488
max. fitting length (mm)	443
External earth stud	M10

[illegible]

Ex stainless steel flange ProtEx

Technical details



Order no.	Product type	Dimensions H x W x D (mm)
34.06 10 00	ProtExB 10	762 x 508 x 205
35.06 10 00	ProtExe 10	762 x 508 x 205
36.06 10 00	ProtExi 10	762 x 508 x 205

	1,5	2,5	4	6	10	16	25	35	50	70	95	120	150	185	240
	1071	861	620	470	315	217	126	126	64	50	30	24	20	17	17
	11	11	10	10	8	7	5	5	3	3	2	2	1	1	1
	6														
	10	89	162												
	16	34	61	101											
	20	14	38	64	107										
	25		18	40	64										
	35			12	30	58									
	50				4	24	48	155							
	63					8	27	52							
	80						11	28	47						
	100							13	26	47					
	125								11	25	46				
	160									10	21	38	96		
	200										9	18	30	52	
	225										3	11	20	32	64
	250											6	14	22	36
	315												3	8	15
	400														4
	500														11

Maximum number of cable glands



M	Side	
	A/B	C/D
12	201	323
16	91	148
20	70	113
25	38	62
32	22	37
40	12	20
50	10	18
63	8	14
75		
85		

DIN rail	TS 35
Length (mm)	446
max. fitting length (mm)	401
External earth stud	M10



Order no.	Product type	Dimensions H x W x D (mm)
34.06 11 00	ProtExB 11	860 x 640 x 205
35.06 11 00	ProtExe 11	860 x 640 x 205
36.06 11 00	ProtExi 11	860 x 640 x 205

	1,5	2,5	4	6	10	16	25	35	50	70	95	120	150	185	240
	1612	1300	952	720	459	360	204	192	111	60	60	32	32	28	28
	13	13	11	11	9	8	6	5	4	3	3	2	2	2	2
	6														
	10	101	183												
	16	39	69	114											
	20	16	43	72	122										
	25		21	45	73										
	35			14	34	66									
	50				5	27	54	175							
	63					9	30	59							
	80						12	32	54						
	100							15	29	54					
	125								13	28	52				
	160									11	24	43	109		
	200										10	21	34	59	
	225											4	13	23	36
	250												7	16	25
	315													3	10
	400														4
	500														12

Maximum number of cable glands



M	Side	
	A/B	C/D
12	250	358
16	116	158
20	86	126
25	48	68
32	26	38
40	16	18
50	12	16
63	12	16
75		
85		

DIN rail	TS 35
Length (mm)	578
max. fitting length (mm)	533
External earth stud	M10



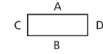
Ex stainless steel flange ProtEx

Technical details



Order no.	Product type	Dimensions H x W x D (mm)
34.06 12 00	ProtExB 12	914 x 610 x 205
35.06 12 00	ProtExe 12	914 x 610 x 205
36.06 12 00	ProtExi 12	914 x 610 x 205

Maximum number of cable glands



M	Side	
	A/B	C/D
12	250	358
16	116	158
20	86	126
25	48	68
32	26	38
40	16	18
50	12	16
63	12	16
75		
85		

DIN rail	TS 35
Length (mm)	548
max. fitting length (mm)	503
External earth stud	M10

	1,5	2,5	4	6	10	16	25	35	50	70	95	120	150	185	240
N	1701	1377	1024	776	468	325	208	208	117	62	62	30	30	26	26
N	14	14	12	12	9	8	6	6	4	3	3	2	2	2	2
x	6														
A	10	100	181												
	16	38	68	113											
	20	16	42	71	120										
	25		20	44	72										
	35			14	33	65									
	50				5	27	54	173							
	63					9	30	58							
	80						12	31	53						
	100							15	29	53					
	125								13	28	51				
	160									11	24	42	108		
	200										10	20	34	59	
	225										4	13	23	36	72
	250											7	16	25	40
	315												3	10	17
	400													4	12
	500														2



Order no.	Product type	Dimensions H x W x D (mm)
34.06 13 00	ProtExB 13	980 x 740 x 205
35.06 13 00	ProtExe 13	980 x 740 x 205
36.06 13 00	ProtExi 13	980 x 740 x 205

Maximum number of cable glands



M	Side	
	A/B	C/D
12	294	402
16	134	182
20	106	140
25	56	76
32	32	44
40	16	24
50	16	20
63	12	16
75		
85		

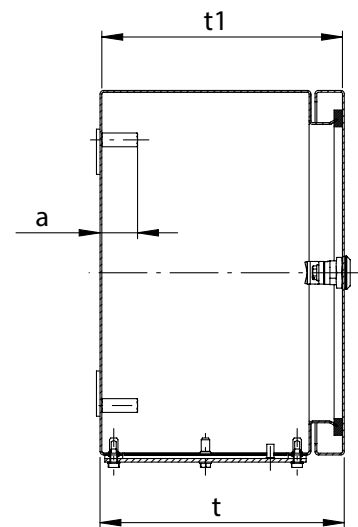
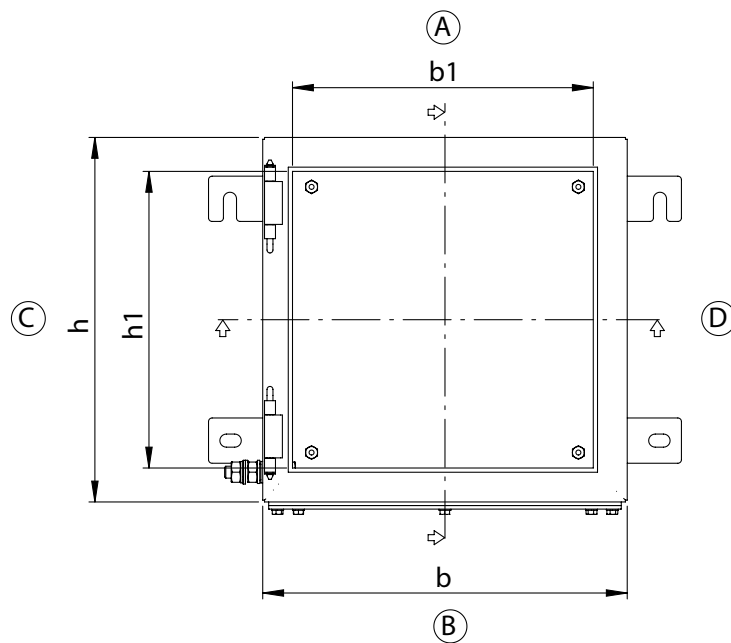
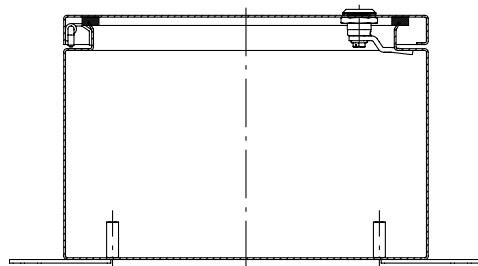
DIN rail	TS 35
Length (mm)	678
max. fitting length (mm)	633
External earth stud	M10

	1,5	2,5	4	6	10	16	25	35	50	70	95	120	150	185	240
N	2255	1815	1300	975	600	490	280	240	155	102	72	54	40	34	34
N	15	15	13	13	10	9	7	6	5	4	3	2	2	2	2
x	6														
A	10	111	201												
	16	43	76	125											
	20	18	47	79	133										
	25		23	49	80										
	35			15	37	72									
	50				5	30	60	192							
	63					10	33	65							
	80						13	35	59						
	100							16	32	59					
	125								14	31	57				
	160									12	27	47	119		
	200										11	23	37	65	
	225										4	14	25	40	80
	250											8	17	28	45
	315												4	11	19
	400													5	14
	500														2

Ex stainless steel flange ProtEx

Technical details

Order no.	b	h	t	b1	h1	t1	a
XX.06 02 00	260	260	205	257	257	202	31,5
XX.06 03 00	306	306	205	303	303	202	31,5
XX.06 04 00	260	380	205	257	377	202	31,5
XX.06 05 00	382	458	205	379	455	202	31,5
XX.06 06 00	480	480	205	477	477	202	31,5
XX.06 07 00	350	500	205	347	497	202	31,5
XX.06 08 00	450	620	205	447	617	202	31,5
XX.06 09 00	550	740	205	547	737	202	31,5
XX.06 10 00	508	762	205	505	759	202	31,5
XX.06 11 00	640	860	205	637	857	202	31,5
XX.06 12 00	610	914	205	607	911	202	31,5
XX.06 13 00	740	980	205	737	977	202	31,5



For detailed drawings visit www.rose-pw.de



Stainless Steel Cabinets Ex IGS



- + High-quality enclosure system for aggressive areas according ATEX and IECEx scheme
- + Empty enclosures with U-approval for individual fittings and Ex eb / Ex ia terminal enclosures
- + With covered hinges and double ward lock

Included in delivery

Empty enclosure: Enclosure with hinged lid, double ward lock, silicone seal and external earth connection.

Junction box: depending on design with hinged lid, double ward lock, silicone seal, external earth, DIN rail, internal earth connection, terminals.

Technical datas

Explosion protection	II 2 G Ex eb IIC T6/T5/T4 Gb II 2 G Ex ia IIC T6/T5/T4 Gb II 2 G Ex db eb ia [ia] mb IIC T6/T5/T4 Gb II 3 G Ex eb db mb ia [ia Ga] nA nC [op is] IIC T6, T5, T4 Gc II 2 D Ex tb IIIC T85 °C/T100 °C/T135 °C Db IP66
Certificates	PTB 00 ATEX 1101U IECEX PTB 07.0059U EAC RU C-DE.AA87.B.00637
Material	Stainless steel 1.25 mm or 1.5 mm; 14301/304, 1.4404/316L on request
Ingress protection	IP66 to EN 60529
Surface	grinded, grain 240
Impact resistance	7 Joule to EN 60079-0
Temperature range	-55 °C to +135 °C
Other execution on request	EMC

Stainless Steel Cabinets Ex IGS

Product overview

Ex e		Ex Empty		Ex i		Dimensions H x W x D (mm)	Weight (g)
Order no.	Product type	Order no.	Product type	Order no.	Product type		
35.00 22 09	IGSExe 35010	34.00 22 09	IGSExB 34010	36.00 22 09	IGSExi 36010	250 x 200 x 97	2350
35.00 22 15	IGSExe 35015	34.00 22 15	IGSExB 34015	36.00 22 15	IGSExi 36015	250 x 200 x 157	2880
35.00 32 09	IGSExe 35020	34.00 32 09	IGSExB 34020	36.00 32 09	IGSExi 36020	250 x 350 x 97	3490
35.00 33 16	IGSExe 35025	34.00 33 16	IGSExB 34025	36.00 33 16	IGSExi 36025	300 x 300 x 167	4360
35.00 44 16	IGSExe 35030	34.00 44 16	IGSExB 34030	36.00 44 16	IGSExi 36030	380 x 380 x 167	6080
35.00 44 21	IGSExe 35035	34.00 44 21	IGSExB 34035	36.00 44 21	IGSExi 36035	380 x 380 x 217	6820
35.00 53 16	IGSExe 35040	34.00 53 16	IGSExB 34040	36.00 53 16	IGSExi 36040	300 x 500 x 167	6350
35.00 63 16	IGSExe 35045	34.00 63 16	IGSExB 34045	36.00 63 16	IGSExi 36045	300 x 600 x 167	8750
35.00 64 21	IGSExe 35050	34.00 64 21	IGSExB 34050	36.00 64 21	IGSExi 36050	380 x 600 x 217	11420
35.00 99 99	IGSExe 35055	34.00 99 99	IGSExB 34055	36.00 99 99	IGSExi 36055	Special size on request	

Terminal mounting

	Phoenix Contact										
DIN rail	TS 15	TS 15	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	
Nominal cross section (mm²)	2,5	4	2,5	4	6	10	16	35	50	95	
Voltage (V)	352	352	690	690	690	690	690	690	690	880	
Terminal width (mm)	5,2	6,2	5,2	6,2	8,2	10,2	12,2	16,2	20	25	
Terminal type											
Enclosure type	MUT 2,5	MUT 4	UT 2,5	UT 4	UT 6	UT 10	UT 16	UT 35	UKH 50	UKH 95	PE bar 1,5 to 6 mm²
XX.00 22 09	58	48	58	48	36	28	12	9			
XX.00 22 15	58	48	58	48	36	28	12	9			
XX.00 32 09	116	96	116	96	72	29	24	18			
XX.00 33 16	80	80	80	80	60	48	40	15	12		
XX.00 44 16	189	159	189	159	120	96	81	40	17	13	18
XX.00 44 21	189	159	189	159	120	96	81	40	17	13	18
XX.00 53 16	172	144	172	144	110	88	74	27	26	18	24
XX.00 63 16	210	176	210	176	134	108	90	34	27	22	29
XX.00 64 21	315	264	315	264	201	162	135	68	27	22	29

Other suppliers on request

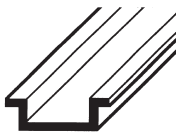


Accessories

Order no.	DIN rails	Mounting plate
XX.00 22 09	•	•
XX.00 22 15	•	•
XX.00 32 09	•	•
XX.00 33 16	•	•
XX.00 44 16	•	•
XX.00 44 21	•	•
XX.00 53 16	•	•
XX.00 63 16	•	•
XX.00 64 21	•	•
XX.00 99 99		

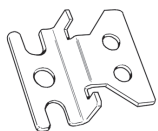
Accessories

DIN rails



Order no.	Version
10.06 14 37	TS 35/7.5 for XX.00 22 09, XX.00 22 15
10.06 14 25	TS 35/7.5 for XX.00 32 09
10.06 14 36	TS 35/7.5 for XX.00 33 16
10.06 14 39	TS 35/7.5 for XX.00 44 16, XX.00 44 21
10.06 14 40	TS 35/7.5 for XX.00 53 16
10.06 14 42	TS 35/7.5 for XX.00 63 16

External mounting brackets



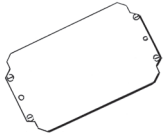
set = 4 pcs

Order no.	
37.10 50 00	External mounting bracket
37.99 00 01	Mounting set

Stainless Steel Cabinets Ex IGS

Accessories

Mounting plate



Order no.	Version
10.01 10 66	for XX.00 22 09, XX.00 22 15
10.01 10 67	for XX.00 32 09
10.01 10 44	for XX.30 30 12, XX.30 30 16, XX.00 33 16
10.01 10 45	for XX.38 38 16, XX.00 44 16, XX.00 44 21
10.01 10 57	for XX.50 30 16, XX.00 53 16
10.01 10 68	for XX.00 63 16
10.01 10 69	for XX.00 64 21

PE bar



Order no.	Version
12.05 43 04	for XX.20 10 06, XX.20 20 08, XX.00 22 09, XX.00 22 15
12.05 43 25	for XX.00 32 09
12.05 43 07	for XX.30 15 08, XX.30 20 08, XX.30 20 12, XX.30 30 12, XX.30 30 16, XX.00 33 16
12.05 43 12	for XX.38 38 16, XX.00 44 16, XX.00 44 21
12.05 43 16	for XX.50 30 16, XX.50 40 16, XX.00 53 16
12.05 43 17	for XX.60 20 12, XX.00 63 16, XX.00 64 21

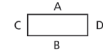


Technical details



Order no.	Product type	Dimensions H x W x D (mm)
34.00 22 09	IGSExB 34010	250 x 200 x 97
35.00 22 09	IGSExe 35010	250 x 200 x 97
36.00 22 09	IGSExi 36010	250 x 200 x 97

Maximum number of cable glands



M	Side	
	A/B	C/D
12	38	36
16	20	17
20	12	8
25	5	6
32	3	
40	3	
50		
63		
75		
85		

DIN rail	TS 35
Length (mm)	190
max. fitting length (mm)	152
External earth (mm²)	16

		1,5	2,5	4	6	10	16	25	35	50	70	95
		76	60	50	38	24	13	10	10			
	N	2	2	2	2	2	1	1	1			
x A	6											
	10	37	67									
	16	14	25	41								
	20	6	15	26	44							
	25		7	16	26							
	35			5	12	24						
	50					10	20	64				
	63					3	11	21				
	80						4	11	19			
	100							5	10			
	125								4			
	160											
	200											
	225											
	250											
	315											
	400											
	500											



Order no.	Product type	Dimensions H x W x D (mm)
34.00 22 15	IGSExB 34015	250 x 200 x 157
35.00 22 15	IGSExe 35015	250 x 200 x 157
36.00 22 15	IGSExi 36015	250 x 200 x 157

Maximum number of cable glands



M	Side	
	A/B	C/D
12	76	75
16	35	36
20	30	30
25	12	15
32	8	8
40	6	5
50	3	3
63	3	3
75		
85		

DIN rail	TS 35
Length (mm)	190
max. fitting length (mm)	152
External earth (mm²)	16

		1,5	2,5	4	6	10	16	25	35	50	70	95
		76	60	50	38	24	13	10	10			
	N	2	2	2	2	2	1	1	1			
x A	6											
	10	47	86									
	16	18	32	53								
	20	7	20	34	57							
	25		9	21	34							
	35			6	16	31						
	50				2	12	25	82				
	63					4	14	28				
	80						5	15	25			
	100							7	13			
	125								6			
	160											
	200											
	225											
	250											
	315											
	400											
	500											

Stainless Steel Cabinets Ex IGS

Technical details



Order no.	Product type	Dimensions H x W x D (mm)
34.00 32 09	IGSExB 34020	250 x 350 x 97
35.00 32 09	IGSExe 35020	250 x 350 x 97
36.00 32 09	IGSExi 36020	250 x 350 x 97

	1,5	2,5	4	6	10	16	25	35	50	70	95
	150	125	100	74	36	30	20	20			
	2	2	2	2	1	1	1	1			
 x A	6										
	10	42	77								
	16	16	29	48							
	20	7	18	30	51						
	25		8	19	31						
	35			6	14	27					
	50				2	11	23	74			
	63					4	13	25			
	80						5	13	22		
	100							6	12		
	125								5		
	160										
	200										
	225										
	250										
	315										
	400										
	500										

Maximum number of cable glands



M	Side	
	A/B	C/D
12	74	36
16	24	17
20	24	8
25	11	6
32	7	
40	5	
50		
63		
75		
85		

DIN rail	TS 35
Length (mm)	340
max. fitting length (mm)	302
External earth (mm²)	16



Order no.	Product type	Dimensions H x W x D (mm)
34.00 33 16	IGSExB 34025	300 x 300 x 167
35.00 33 16	IGSExe 35025	300 x 300 x 167
36.00 33 16	IGSExi 36025	300 x 300 x 167

	1,5	2,5	4	6	10	16	25	35	50	70	95
	126	102	87	63	51	40	16	16	12		
	2	2	2	2	2	2	1	1	1		
 x A	6										
	10	55	100								
	16	21	38	62							
	20	9	23	39	67						
	25		11	24	40						
	35			7	18	36					
	50				2	15	30	96			
	63					5	16	32			
	80						6	17	29		
	100							8	16	29	
	125								7	15	
	160									6	
	200										
	225										
	250										
	315										
	400										
	500										

Maximum number of cable glands



M	Side	
	A/B	C/D
12	110	88
16	55	52
20	48	38
25	23	21
32	15	11
40	8	8
50	7	5
63	5	4
75		
85		

DIN rail	TS 35
Length (mm)	290
max. fitting length (mm)	252
External earth (mm²)	25



Technical details



Order no.	Product type	Dimensions H x W x D (mm)
34.00 44 16	IGSExB 34030	380 x 380 x 167
35.00 44 16	IGSExe 35030	380 x 380 x 167
36.00 44 16	IGSExi 36030	380 x 380 x 167

	1,5	2,5	4	6	10	16	25	35	50	70	95
	240	195	162	123	99	81	44	44	17	13	13
	3	3	3	3	3	3	2	2	1	1	1
 x A	6										
	10	62	113								
	16	24	43	71							
	20	10	26	45	75						
	25		13	28	45						
	35			8	21	41					
	50				3	16	34	109			
	63					6	19	36			
	80						7	19	33		
	100							9	18	33	
	125								8	17	32
	160									7	15
	200										6
	225										2
	250										
	315										
	400										
	500										

Maximum number of cable glands		
M	Side	
	A/B	C/D
12	160	140
16	70	56
20	60	48
25	27	27
32	21	14
40	12	10
50	9	6
63	7	5
75		
85		

DIN rail	TS 35
Length (mm)	370
max. fitting length (mm)	332
External earth (mm²)	50



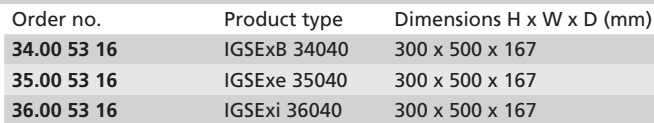
Order no.	Product type	Dimensions H x W x D (mm)
34.00 44 21	IGSExB 34035	380 x 380 x 217
35.00 44 21	IGSExe 35035	380 x 380 x 217
36.00 44 21	IGSExi 36035	380 x 380 x 217

	1,5	2,5	4	6	10	16	25	35	50	70	95
	240	195	162	123	99	81	44	44	17	13	13
	3	3	3	3	3	3	2	2	1	1	1
 x A	6										
	10	71	130								
	16	27	49	81							
	20	11	30	51	86						
	25		15	32	52						
	35			10	24	46					
	50				3	19	38	124			
	63					6	21	42			
	80						9	22	38		
	100							10	20	38	
	125								9	20	37
	160									8	17
	200										7
	225										2
	250										
	315										
	400										
	500										

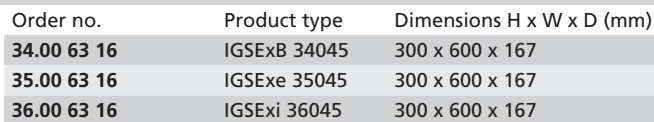
Maximum number of cable glands		
M	Side	
	A/B	C/D
12	220	200
16	98	84
20	84	72
25	45	36
32	28	21
40	18	14
50	12	9
63	9	8
75		
85		

DIN rail	TS 35
Length (mm)	370
max. fitting length (mm)	332
External earth (mm²)	50

Technical details



Maximum number of cable glands 		
M	Side	
	A/B	C/D
12	216	88
16	92	52
20	85	38
25	36	21
32	26	11
40	14	8
50	12	5
63	9	4
75		
85		
DIN rail		TS 35
Length (mm)		490
max. fitting length (mm)		452
External earth (mm ²)		50



Maximum number of cable glands 		
M	Side	
	A/B	C/D
12	231	88
16	115	52
20	100	38
25	45	21
32	33	11
40	17	8
50	16	5
63	11	4
75		
85		
DIN rail		TS 35
Length (mm)		590
max. fitting length (mm)		551,5
External earth (mm²)		50



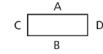
Stainless Steel Cabinets Ex IGS

Technical details



Order no.	Product type	Dimensions H x W x D (mm)
34.00 64 21	IGSExB 34050	380 x 600 x 217
35.00 64 21	IGSExe 35050	380 x 600 x 217
36.00 64 21	IGSExi 36050	380 x 600 x 217

Maximum number of cable glands



M	Side	
	A/B	C/D
12	330	200
16	176	84
20	140	72
25	75	36
32	44	21
40	27	14
50	20	9
63	15	8
75		
85		

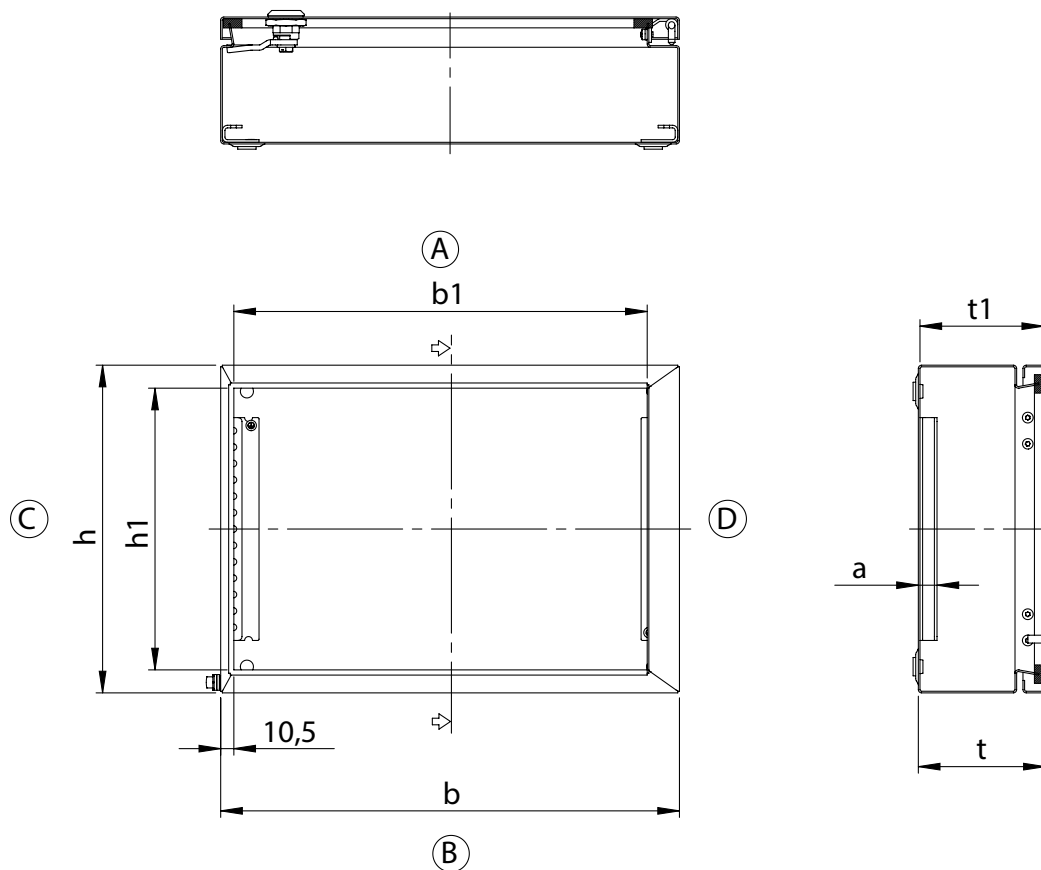
DIN rail	TS 35
Length (mm)	590
max. fitting length (mm)	551,5
External earth (mm²)	50

		1,5	2,5	4	6	10	16	25	35	50	70	95
		393	318	267	201	162	135	72	72	27	22	22
	N	3	3	3	3	3	3	2	2	1	1	1
x A	6											
	10	78	142									
	16	30	53	88								
	20	12	33	56	94							
	25		16	35	56							
	35			11	26	51						
	50				4	21	42	136				
	63					7	23	46				
	80						9	24	42			
	100							11	22	41		
	125								10	22	40	
	160									8	19	33
	200										7	16
	225										3	10
	250											5
	315											
	400											
	500											

Stainless Steel Cabinets Ex IGS

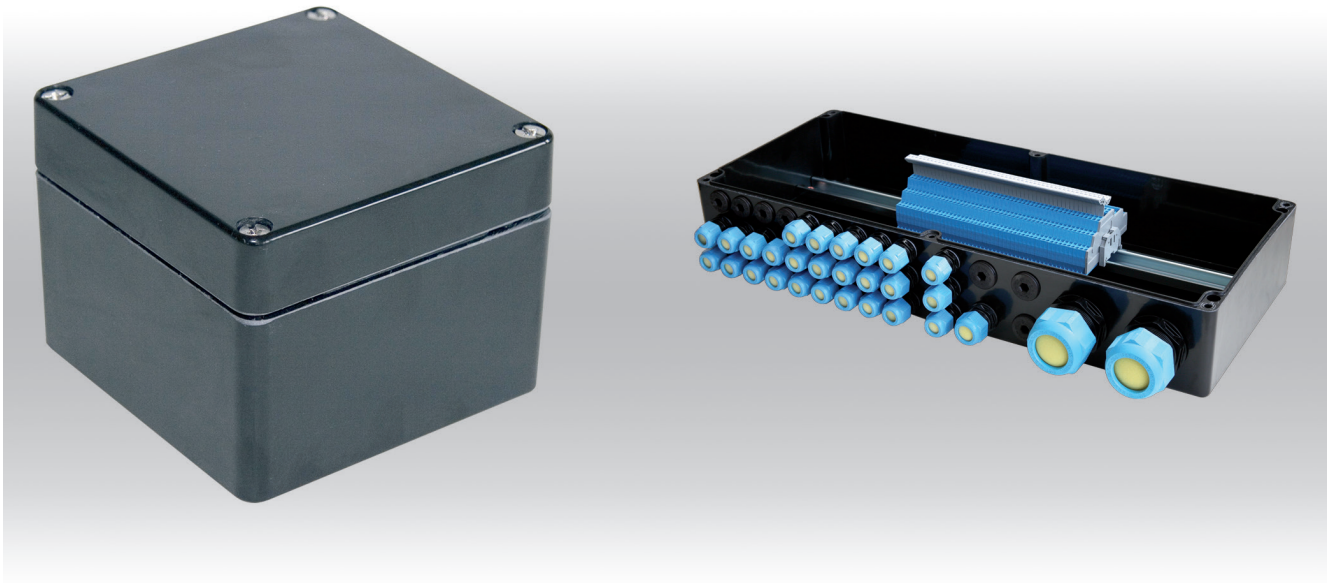
Technical details

Order no.	b	h	t	b1	h1	t1	a
XX.00 22 09	200	250	97	197,5	247,5	94,5	13
XX.00 22 15	200	250	157	197,5	247,5	154,5	13
XX.00 32 09	350	250	97	347,5	247,5	94,5	13
XX.00 33 16	300	300	167	297,5	297,5	164,5	13
XX.00 44 16	380	380	167	377,5	377,5	164,5	13
XX.00 44 21	380	380	217	377,5	377,5	214,5	13
XX.00 53 16	500	300	167	497,5	297,5	164,5	13
XX.00 63 16	600	300	167	597	297	164	13
XX.00 64 21	600	380	217	597	377	214	13



For detailed drawings visit www.rose-pw.de





NEC 505
(UL Ex)



- + Glass fibre reinforced enclosure system of polyester-resin for use in all Ex-areas
- + Empty enclosures with U-approval for individual fittings and Ex eb / Ex ia terminal enclosures
- + Optional version with window

Included in delivery

Empty enclosure: Enclosure system with silicone seal.

Junction box: Enclosure system - depending on version with silicone seal, DIN rails, internal earthing connection, terminals, continuity plate, manufacturing, cable glands

Technical datas

Explosion protection	II 2 G Ex eb IIC T6/T5/T4 Gb II 2 G Ex ia IIC T6/T5/T4 Gb II 2 G Ex db eb ia [ia] mb IIC T6/T5/T4 Gb II 3 G Ex eb db mb ia [ia Ga] nA nC [op is] IIC T6, T5, T4 Gc II 2 D Ex tb IIIC T85 °C/T100 °C/T135 °C Db IP66
Certificates	PTB 00 ATEX 1002 IECEx PTB 08.0004 EAC RU C-DE.AA87.B.00637
Material	glass fibre reinforced duroplastic polyester, graphite added
Colour	RAL 9011, graphite black
Ingress protection	IP66 to EN 60529
Impact resistance	7 Joule to EN 60079-0
Flammability	self-extinguishing, UL 94 V-0
Surface resistance	<10 ⁹ Ohm to IEC 60093
Toxicity	halogen free
Temperature range	-55 °C to +135 °C
Other execution on request	EMC

Polyester Ex

Product overview

Ex e		Ex Empty		Ex i		Dimensions H x W x D (mm)	Weight (g)
Order no.	Product type	Order no.	Product type	Order no.	Product type		
06.08 08 06	PExe 06010	26.08 08 06	PExB 26010	16.08 08 06	PExi 16010	75 x 80 x 56	230
06.08 08 08	PExe 06015	26.08 08 08	PExB 26015	16.08 08 08	PExi 16015	75 x 80 x 75	300
06.08 11 06	PExe 06020	26.08 11 06	PExB 26020	16.08 11 06	PExi 16020	75 x 110 x 56	295
06.08 11 08	PExe 06025	26.08 11 08	PExB 26025	16.08 11 08	PExi 16025	75 x 110 x 75	360
06.08 16 06	PExe 06030	26.08 16 06	PExB 26030	16.08 16 06	PExi 16030	75 x 160 x 56	405
06.08 16 08	PExe 06035	26.08 16 08	PExB 26035	16.08 16 08	PExi 16035	75 x 160 x 75	460
06.08 19 06	PExe 06040	26.08 19 06	PExB 26040	16.08 19 06	PExi 16040	75 x 190 x 56	450
06.08 19 08	PExe 06045	26.08 19 08	PExB 26045	16.08 19 08	PExi 16045	75 x 190 x 75	530
06.08 23 06	PExe 06050	26.08 23 06	PExB 26050	16.08 23 06	PExi 16050	75 x 230 x 56	575
06.08 23 08	PExe 06055	26.08 23 08	PExB 26055	16.08 23 08	PExi 16055	75 x 230 x 75	670
06.12 12 09	PExe 06060	26.12 12 09	PExB 26060	16.12 12 09	PExi 16060	120 x 122 x 91	750
06.12 22 09	PExe 06065	26.12 22 09	PExB 26065	16.12 22 09	PExi 16065	120 x 220 x 91	1060
06.16 16 09	PExe 06070	26.16 16 09	PExB 26070	16.16 16 09	PExi 16070	160 x 160 x 91	1290
06.16 26 09	PExe 06075	26.16 26 09	PExB 26075	16.16 26 09	PExi 16075	160 x 260 x 91	1710
06.16 36 09	PExe 06080	26.16 36 09	PExB 26080	16.16 36 09	PExi 16080	160 x 360 x 91	2150
06.16 56 09	PExe 06085	26.16 56 09	PExB 26085	16.16 56 09	PExi 16085	160 x 560 x 91	3185
06.25 26 12	PExe 06090	26.25 26 12	PExB 26090	16.25 26 12	PExi 16090	250 x 255 x 121	2650
06.25 26 16	PExe 06095	26.25 26 16	PExB 26095	16.25 26 16	PExi 16095	250 x 255 x 161	3275
06.25 40 12	PExe 06100	26.25 40 12	PExB 26100	16.25 40 12	PExi 16100	250 x 400 x 121	3650
06.25 40 16	PExe 06105	26.25 40 16	PExB 26105	16.25 40 16	PExi 16105	250 x 400 x 161	4800
06.25 60 12	PExe 06110	26.25 60 12	PExB 26110	16.25 60 12	PExi 16115	250 x 600 x 121	5235
06.36 36 09	PExe 06115	26.36 36 09	PExB 26115	16.36 36 09	PExi 16120	360 x 360 x 91	4200
06.41 40 12	PExe 06120	26.41 40 12	PExB 26120	16.41 40 12	PExi 16125	405 x 400 x 121	5580
06.41 40 20	PExe 06125	26.41 40 20	PExB 26125	16.41 40 20	PExi 16130	405 x 400 x 201	6650



Terminal mounting

	Phoenix Contact															Bartec	
DIN rail	TS 15	TS 15	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35				
Nominal cross section (mm²)	2,5	4	2,5	4	6	10	16	35	50	95	150	240					
Voltage (V)	352	352	690	690	690	690	690	690	690	880	1100	1100					
Terminal width (mm)	5,2	6,2	5,2	6,2	8,2	10,2	12,2	16,2	20	25	31	36					
Terminal type																	
Enclosure type	MUT 2,5	MUT 4	UT 2,5	UT 4	UT 6	UT 10	UT 16	UT 35	UKH 50	UKH 95	UKH 150	UKH 240	PE bar 1,5 to 6 mm²	Sheath clamp (2 x 4 mm², 3 x 2,5 mm² each clamp)	Sheath clamp (2 x 6 mm², 3 x 4 mm², 4 x 2,5 mm² each clamp)	Ex Mini terminals	Ex Mini terminals blue
XX.08 08 06	7	6												2		3	3
XX.08 08 08	7	6												2			
XX.08 11 06	13	11												4			
XX.08 11 08	13	11												4			
XX.08 16 06	22	19												4			
XX.08 16 08	22	19												4			
XX.08 19 06	28	23												4			
XX.08 19 08	28	23												4			
XX.08 23 06	36	30												4			
XX.08 23 08	36	30												4			
XX.12 12 09	12	10	12	10	7	6	5								2		
XX.12 22 09	32	26	32	26	20	16	13								4		
XX.16 16 09	20	16	20	16	12	10	8	6					10				
XX.16 26 09	39	33	39	33	25	20	16	12					22				
XX.16 36 09	58	48	58	48	36	29	24	18					32				
XX.16 56 09	97	81	97	81	61	49	41	31					52				
XX.25 26 12	74	62	74	62	48	19	16	12	9				22				
XX.25 26 16	74	62	74	62	48	19	16	12	9	7			22				
XX.25 40 12	130	110	130	110	82	33	28	21	17				38				
XX.25 40 16	130	110	130	110	82	33	28	21	17	13			38				
XX.25 60 12	208	174	208	174	132	53	44	33	27				58				
XX.36 36 09	174	147	174	147	74	58	48	36					32				
XX.41 40 12	195	165	195	165	123	66	56	21	17				38				
XX.41 40 20	195	165	195	165	123	66	56	21	17	13	11	9	38				

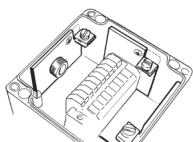
Other suppliers on request

Polyester Ex

Accessories

Order no.	DIN rails	Mounting plate
XX.08 08 06	•	•
XX.08 08 08	•	•
XX.08 11 06	•	•
XX.08 11 08	•	•
XX.08 16 06	•	•
XX.08 16 08	•	•
XX.08 19 06	•	•
XX.08 19 08	•	•
XX.08 23 06	•	
XX.08 23 08	•	
XX.12 12 09	•	•
XX.12 22 09	•	•
XX.16 16 09	•	•
XX.16 26 09	•	•
XX.16 36 09	•	•
XX.16 56 09	•	•
XX.25 26 12	•	•
XX.25 26 16	•	•
XX.25 40 12	•	•
XX.25 40 16	•	•
XX.25 60 12	•	•
XX.36 36 09	•	•
XX.41 40 12	•	•
XX.41 40 20	•	•

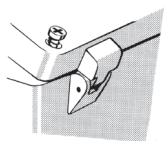
Continuity plate



Order no.	Version
10.01 60 19	for XX.08 08 06, XX.08 11 06, XX.08 16 06, XX.08 19 06, XX.08 23 06
10.01 60 20	for XX.12 12 09, XX.12 22 09
10.01 60 21	for, XX.16 16 09, XX.16 26 09, XX.16 36 09, XX.16 56 09
10.01 60 22	for XX.36 36 09
10.01 60 23	for XX.25 26 12, XX.25 26 16, XX.25 40 12, XX.25 40 16, XX.41 40 12, XX.25 60 12
10.01 60 24	for XX.08 08 08, XX.08 11 08, XX.08 16 08, XX.08 19 08, XX.08 23 08
10.01 60 25	for XX.41 40 20

Accessories

External hinges

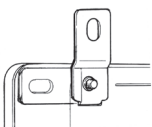


Swivelling range 150°,
set = 2 pcs

Order no.

10.02 70 01

External mounting brackets



set = 4 pcs

Order no.

Version

10.03 11 01 for XX.08 08 06 - XX.10 20 08

10.03 11 02 for XX.12 12 08 - XX.31 60 18, XX.14 01 00 - XX.14 03 00

10.03 10 08 for XX.20 20 00, XX.20 30 00

DIN rails



Order no.

Version

10.06 10 03 TS 15 for XX.08 08 06, XX.08 08 08

10.06 11 02 TS 15 for XX.08 11 06, XX.08 11 08

10.06 10 08 TS 15 for XX.08 16 06, XX.08 16 08

10.06 10 10 TS 15 for XX.08 19 06, XX.08 19 08

10.06 11 05 TS 15 for XX.08 23 06, XX.08 23 08

10.06 14 21 TS 35/7.5 for XX.12 12 09

10.06 14 22 TS 35/7.5 for XX.12 22 09

10.06 14 23 TS 35/7.5 for XX.16 16 09

10.06 14 24 TS 35/7.5 for XX.16 26 09

10.06 14 25 TS 35/7.5 for XX.16 36 09

10.06 14 26 TS 35/7.5 for XX.16 56 09

10.06 14 34 TS 35/7.5 for XX.25 26 12, XX.25 26 16

10.06 14 27 TS 35/7.5 for XX.25 40 12, XX.25 40 16

10.06 14 28 TS 35/7.5 for XX.25 60 12

PE bar



Order no.

Version

12.05 42 62 for XX.16 16 09

12.05 42 63 for XX.16 26 09, XX.25 26 12, XX.25 26 16

12.05 42 64 for XX.16 36 09, XX.36 36 09

12.05 42 65 for XX.16 56 09

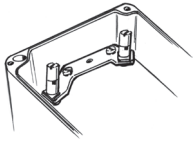
12.05 42 68 for XX.25 40 12, XX.25 40 16, XX.41 40 12, XX.41 40 20

12.05 42 70 for XX.25 60 12

Polyester Ex

Accessories

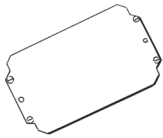
PE busbar



Order no. Version

12.05 30 03	for XX.08 08 06 - XX.08 16 08
12.05 30 04	for XX.08 19 06 - XX.08 23 08
12.05 30 05	for XX.12 12 09 - XX.12 22 09

Mounting plate



Order no. Version

10.01 11 01	for XX.08 08 06, XX.08 08 08
10.01 11 03	for XX.08 11 06, XX.08 11 08
10.01 11 05	for XX.08 16 06, XX.08 16 08
10.01 11 07	for XX.08 19 06, XX.08 19 08
10.01 10 07	for XX.12 12 08, XX.12 12 09
10.01 10 08	for XX.12 22 08, XX.12 22 09
10.01 10 10	for XX.16 16 09
10.01 10 11	for XX.16 26 09
10.01 10 12	for XX.16 36 09
10.01 10 13	for XX.16 56 09
10.01 11 15	for XX.25 26 12, XX.25 26 16
10.01 11 16	for XX.25 40 12, XX.25 40 16
10.01 11 17	for XX.25 60 12
10.01 11 18	for XX.36 36 09
10.01 11 19	for XX.41 40 12, XX.41 40 20



Technical details



Order no.	Product type	Dimensions H x W x D (mm)
06.08 08 06	PEXe 06010	75 x 80 x 56
16.08 08 06	PEXi 16010	75 x 80 x 56
26.08 08 06	PExB 26010	75 x 80 x 56

	1,5	2,5	4	6	10	16	25	35	50	70	95
	7	7									
	1	1									
 x A	6										
	10	27									
	16	9	18								
	20	3	10								
	25		5								
	35										
	50										
	63										
	80										
	100										
	125										
	160										
	200										
	225										
	250										
	315										
	400										
	500										

Maximum number of cable glands



M	Side	
	A/B	C/D
12	6	3
16	2	1
20	2	1
25	1	
32		
40		
50		
63		
75		
85		

DIN rail	TS 15
Length (mm)	63
max. fitting length (mm)	38,5



Order no.	Product type	Dimensions H x W x D (mm)
06.08 08 08	PEXe 06015	75 x 80 x 75
16.08 08 08	PEXi 16015	75 x 80 x 75
26.08 08 08	PExB 26015	75 x 80 x 75

	1,5	2,5	4	6	10	16	25	35	50	70	95
	8	8	7								
	1	1	1								
 x A	6										
	10	32									
	16	11	21	84							
	20	4	12	24							
	25		6	13							
	35			4							
	50										
	63										
	80										
	100										
	125										
	160										
	200										
	225										
	250										
	315										
	400										
	500										

Maximum number of cable glands



M	Side	
	A/B	C/D
12	9	5
16	5	2
20	4	2
25	1	1
32	1	1
40		
50		
63		
75		
85		

DIN rail	TS 15
Length (mm)	63
max. fitting length (mm)	38,5

Polyester Ex

Technical details



Order no.	Product type	Dimensions H x W x D (mm)
06.08 11 06	PExe 06020	75 x 110 x 56
16.08 11 06	PExi 16020	75 x 110 x 56
26.08 11 06	PExB 26020	75 x 110 x 56

	1,5	2,5	4	6	10	16	25	35	50	70	95
	13	13									
	1	1									
 x A	6										
	10	28									
	16	9	18								
	20	4	11								
	25		5								
	35										
	50										
	63										
	80										
	100										
	125										
	160										
	200										
	225										
	250										
	315										
	400										
	500										

Maximum number of cable glands



M	Side	
	A/B	C/D
12	6	3
16	3	1
20	2	1
25	1	
32		
40		
50		
63		
75		
85		

DIN rail	TS 15
Length (mm)	98
max. fitting length (mm)	68,5



Order no.	Product type	Dimensions H x W x D (mm)
06.08 11 08	PExe 06025	75 x 110 x 75
16.08 11 08	PExi 16025	75 x 110 x 75
26.08 11 08	PExB 26025	75 x 110 x 75

	1,5	2,5	4	6	10	16	25	35	50	70	95
	14	14	11								
	1	1	1								
 x A	6										
	10	33									
	16	11	22	86							
	20	4	13	25							
	25		6	14							
	35			4							
	50										
	63										
	80										
	100										
	125										
	160										
	200										
	225										
	250										
	315										
	400										
	500										

Maximum number of cable glands

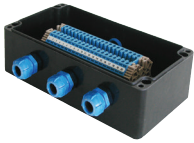


M	Side	
	A/B	C/D
12	15	5
16	6	2
20	6	1
25	2	1
32	2	1
40		
50		
63		
75		
85		

DIN rail	TS 15
Length (mm)	98
max. fitting length (mm)	68,5



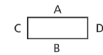
Technical details



Order no.	Product type	Dimensions H x W x D (mm)
06.08 16 06	PEXe 06030	75 x 160 x 56
16.08 16 06	PEXi 16030	75 x 160 x 56
26.08 16 06	PExB 26030	75 x 160 x 56

		1,5	2,5	4	6	10	16	25	35	50	70	95
		23	23									
	N	1	1									
x A	6											
	10	28										
	16	9	19									
	20	4	11									
	25		5									
	35											
	50											
	63											
	80											
	100											
	125											
	160											
	200											
	225											
	250											
	315											
	400											
	500											

Maximum number of cable glands



M	Side	
	A/B	C/D
12	12	3
16	5	1
20	4	1
25	3	
32		
40		
50		
63		
75		
85		

DIN rail	TS 15
Length (mm)	148
max. fitting length (mm)	118,5



Order no.	Product type	Dimensions H x W x D (mm)
06.08 16 08	PEXe 06035	75 x 160 x 75
16.08 16 08	PEXi 16035	75 x 160 x 75
26.08 16 08	PExB 26035	75 x 160 x 75

		1,5	2,5	4	6	10	16	25	35	50	70	95
		23	23	20								
	N	1	1	1								
x A	6											
	10	34										
	16	11	22	87								
	20	4	13	25								
	25		6	14								
	35			4								
	50											
	63											
	80											
	100											
	125											
	160											
	200											
	225											
	250											
	315											
	400											
	500											

Maximum number of cable glands



M	Side	
	A/B	C/D
12	18	5
16	8	2
20	8	2
25	3	1
32	2	1
40		
50		
63		
75		
85		

DIN rail	TS 15
Length (mm)	148
max. fitting length (mm)	118,5

Polyester Ex

Technical details



Order no.	Product type	Dimensions H x W x D (mm)
06.08 19 06	PEXe 06040	75 x 190 x 56
16.08 19 06	PEXi 16040	75 x 190 x 56
26.08 19 06	PExB 26040	75 x 190 x 56

	1,5	2,5	4	6	10	16	25	35	50	70	95
	28	28									
	1	1									
 x A	6										
	10	28									
	16	9	19								
	20	4	11								
	25		5								
	35										
	50										
	63										
	80										
	100										
	125										
	160										
	200										
	225										
	250										
	315										
	400										
	500										

Maximum number of cable glands



M	Side	
	A/B	C/D
12	16	4
16	7	1
20	5	1
25	4	1
32		
40		
50		
63		
75		
85		

DIN rail	TS 15
Length (mm)	174
max. fitting length (mm)	148,5



Order no.	Product type	Dimensions H x W x D (mm)
06.08 19 08	PEXe 06045	75 x 190 x 75
16.08 19 08	PEXi 16045	75 x 190 x 75
26.08 19 08	PExB 26045	75 x 190 x 75

	1,5	2,5	4	6	10	16	25	35	50	70	95
	29	29	24								
	1	1	1								
 x A	6										
	10	33									
	16	11	22	87							
	20	4	13	25							
	25		6	14							
	35			4							
	50										
	63										
	80										
	100										
	125										
	160										
	200										
	225										
	250										
	315										
	400										
	500										

Maximum number of cable glands



M	Side	
	A/B	C/D
12	28	6
16	12	2
20	12	2
25	5	1
32	3	1
40		
50		
63		
75		
85		

DIN rail	TS 15
Length (mm)	174
max. fitting length (mm)	148,5



Technical details



Order no.	Product type	Dimensions H x W x D (mm)
06.08 23 06	PEXe 06050	75 x 230 x 56
16.08 23 06	PEXi 16050	75 x 230 x 56
26.08 23 06	PExB 26050	75 x 230 x 56

		1,5	2,5	4	6	10	16	25	35	50	70	95
		36	36									
		1	1									
	N	1	1									
	6											
	10	28										
	16	9	19									
	20	4	11									
	25		5									
	35											
	50											
	63											
	80											
	100											
	125											
	160											
	200											
	225											
	250											
	315											
	400											
	500											

Maximum number of cable glands



M	Side	
	A/B	C/D
12	22	3
16	10	1
20		1
25	4	1
32		
40		
50		
63		
75		
85		

DIN rail	TS 15
Length (mm)	218
max. fitting length (mm)	188,5



Order no.	Product type	Dimensions H x W x D (mm)
06.08 23 08	PEXe 06055	75 x 230 x 75
16.08 23 08	PEXi 16055	75 x 230 x 75
26.08 23 08	PExB 26055	75 x 230 x 75

		1,5	2,5	4	6	10	16	25	35	50	70	95
		37	37	31								
		1	1	1								
	N	1	1	1								
	6											
	10	33										
	16	11	22	86								
	20	4	13	25								
	25		6	14								
	35			4								
	50											
	63											
	80											
	100											
	125											
	160											
	200											
	225											
	250											
	315											
	400											
	500											

Maximum number of cable glands



M	Side	
	A/B	C/D
12	30	6
16	16	2
20	12	2
25	6	1
32	4	1
40		
50		
63		
75		
85		

DIN rail	TS 15
Length (mm)	218
max. fitting length (mm)	188,5

Polyester Ex

Technical details



Order no.	Product type	Dimensions H x W x D (mm)
06.12 12 09	PEXe 06060	120 x 122 x 91
16.12 12 09	PEXi 16060	120 x 122 x 91
26.12 12 09	PExB 26060	120 x 122 x 91

	1,5	2,5	4	6	10	16	25	35	50	70	95
	19	15	13	10	8	6					
	1	1	1	1	1	1					
 x A	6										
	10	43									
	16	14	28	111							
	20	6	16	32							
	25		8	18	35						
	35			5	13	34					
	50				2	11	28				
	63					3	13				
	80						5				
	100										
	125										
	160										
	200										
	225										
	250										
	315										
	400										
	500										

Maximum number of cable glands



M	Side	
	A/B	C/D
12	12	12
16	5	5
20	4	4
25	2	2
32	1	1
40	1	1
50		
63		
75		
85		

DIN rail	TS 35
Length (mm)	107
max. fitting length (mm)	65



Order no.	Product type	Dimensions H x W x D (mm)
06.12 22 09	PEXe 06065	120 x 220 x 91
16.12 22 09	PEXi 16065	120 x 220 x 91
26.12 22 09	PExB 26065	120 x 220 x 91

	1,5	2,5	4	6	10	16	25	35	50	70	95
	42	34	29	21	17	14					
	1	1	1	1	1	1					
 x A	6										
	10	46									
	16	15	30	119							
	20	6	18	34							
	25		8	19	37						
	35			5	14	36					
	50				2	12	30				
	63					4	14				
	80						5				
	100										
	125										
	160										
	200										
	225										
	250										
	315										
	400										
	500										

Maximum number of cable glands



M	Side	
	A/B	C/D
12	32	12
16	14	5
20	12	4
25	6	2
32	3	1
40	2	1
50		
63		
75		
85		

DIN rail	TS 35
Length (mm)	205
max. fitting length (mm)	166,5



Technical details



Order no.	Product type	Dimensions H x W x D (mm)
06.16 16 09	PEEx 06070	160 x 160 x 91
16.16 16 09	PEXi 16070	160 x 160 x 91
26.16 16 09	PExB 26070	160 x 160 x 91

		1,5	2,5	4	6	10	16	25	35	50	70	95
		28	23	19	14	11	9	7	7			
		1	1	1	1	1	1	1	1			
 x A	6											
	10	48										
	16	16	32	125								
	20	7	19	36								
	25		9	20	39							
	35			6	15	38						
	50				2	12	32					
	63					4	14	52				
	80						5	16	59			
	100							7	15			
	125								6			
	160											
	200											
	225											
	250											
	315											
	400											
	500											

Maximum number of cable glands



M	Side	
	A/B	C/D
12	26	18
16	14	8
20	9	6
25	6	3
32	3	2
40	2	1
50	2	1
63		
75		
85		

DIN rail	TS 35
Length (mm)	144
max. fitting length (mm)	105



Order no.	Product type	Dimensions H x W x D (mm)
06.16 26 09	PEEx 06075	160 x 260 x 91
16.16 26 09	PEXi 16075	160 x 260 x 91
26.16 26 09	PExB 26075	160 x 260 x 91

		1,5	2,5	4	6	10	16	25	35	50	70	95
		52	42	35	26	21	18	14	14			
		1	1	1	1	1	1	1	1			
 x A	6											
	10	52										
	16	18	35	136								
	20	7	20	39								
	25		9	22	43							
	35			6	16	41						
	50				2	13	34					
	63					4	16	57				
	80						6	17	64			
	100							7	16			
	125								6			
	160											
	200											
	225											
	250											
	315											
	400											
	500											

Maximum number of cable glands



M	Side	
	A/B	C/D
12	50	16
16	26	8
20	17	6
25	11	3
32	5	2
40	3	1
50	3	
63		
75		
85		

DIN rail	TS 35
Length (mm)	245
max. fitting length (mm)	205

Polyester Ex

Technical details



Order no.	Product type	Dimensions H x W x D (mm)
06.16 36 09	PEXe 06080	160 x 360 x 91
16.16 36 09	PEXi 16080	160 x 360 x 91
26.16 36 09	PExB 26080	160 x 360 x 91

	1,5	2,5	4	6	10	16	25	35	50	70	95
	76	61	51	39	31	26	21	21			
	1	1	1	1	1	1	1	1			
 x A	6										
	10	53									
	16	18	35	138							
	20	7	20	40							
	25		9	22	43						
	35			6	17	42					
	50				2	14	35				
	63				4	16	58				
	80					6	18	65			
	100						7	17			
	125							7			
	160										
	200										
	225										
	250										
	315										
	400										
	500										

Maximum number of cable glands



M	Side	
	A/B	C/D
12	72	18
16	38	8
20	26	6
25	16	3
32	7	2
40	5	1
50	4	1
63		
75		
85		

DIN rail	TS 35
Length (mm)	343
max. fitting length (mm)	302



Order no.	Product type	Dimensions H x W x D (mm)
06.16 56 09	PEXe 06085	160 x 560 x 91
16.16 56 09	PEXi 16085	160 x 560 x 91
26.16 56 09	PExB 26085	160 x 560 x 91

	1,5	2,5	4	6	10	16	25	35	50	70	95
	123	100	83	63	50	42	34	34			
	1	1	1	1	1	1	1	1			
 x A	6										
	10	53									
	16	18	35	138							
	20	7	20	40							
	25		9	22	43						
	35			6	17	42					
	50				2	14	35				
	63				4	16	58				
	80					6	18	65			
	100						7	17			
	125							7			
	160										
	200										
	225										
	250										
	315										
	400										
	500										

Maximum number of cable glands



M	Side	
	A/B	C/D
12	112	18
16	58	8
20	40	6
25	24	3
32	12	2
40	8	1
50	6	1
63		
75		
85		

DIN rail	TS 35
Length (mm)	543
max. fitting length (mm)	508



Technical details



Order no.	Product type	Dimensions H x W x D (mm)
06.25 26 12	PEEx 06090	250 x 255 x 121
16.25 26 12	PEXi 16090	250 x 255 x 121
26.25 26 12	PExB 26090	250 x 255 x 121

		1,5	2,5	4	6	10	16	25	35	50	70	95
		102	82	68	52	21	17	14	14	10		
	N	2	2	2	2	1	1	1	1	1		
x A	6											
	10	70										
	16	24	47	182								
	20	10	27	52								
	25		13	30	57							
	35			8	22	56						
	50				3	18	46					
	63					6	21	76				
	80						8	24	85			
	100							10	22			
	125								9	22		
	160									7		
	200											
	225											
	250											
	315											
	400											
	500											

Maximum number of cable glands



M	Side	
	A/B	C/D
12	69	51
16	32	24
20	24	18
25	12	10
32	8	7
40	4	3
50	3	3
63	3	2
75		
85		

DIN rail	TS 35
Length (mm)	238
max. fitting length (mm)	197



Order no.	Product type	Dimensions H x W x D (mm)
06.25 26 16	PEEx 06095	250 x 255 x 161
16.25 26 16	PEXi 16095	250 x 255 x 161
26.25 26 16	PExB 26095	250 x 255 x 161

		1,5	2,5	4	6	10	16	25	35	50	70	95
		102	82	68	52	21	17	14	14	10	8	
	N	2	2	2	2	1	1	1	1	1	1	
x A	6											
	10	82										
	16	28	54	211								
	20	11	31	61								
	25		15	34	67							
	35			10	26	65						
	50				3	21	54					
	63					7	25	88				
	80						9	27	99			
	100							12	26			
	125								10	26		
	160									9	23	
	200										8	
	225										3	
	250											
	315											
	400											
	500											

Maximum number of cable glands



M	Side	
	A/B	C/D
12	69	51
16	32	24
20	24	18
25	12	10
32	8	7
40	4	3
50	3	3
63	3	2
75		
85		

DIN rail	TS 35
Length (mm)	238
max. fitting length (mm)	197

Polyester Ex

Technical details



Order no.	Product type	Dimensions H x W x D (mm)
06.25 40 12	PEXe 06100	250 x 400 x 121
16.25 40 12	PEXi 16100	250 x 400 x 121
26.25 40 12	PExB 26100	250 x 400 x 121

	1,5	2,5	4	6	10	16	25	35	50	70	95
	170	138	116	86	35	29	23	23	18		
	2	2	2	2	1	1	1	1	1		
	6										
	10	76									
	16	26	50	197							
	20	10	29	57							
	25		14	32	62						
	35			9	24	60					
	50				3	19	50				
	63					6	23	82			
	80						9	26	92		
	100							11	24		
	125								9	24	
	160									8	
	200										
	225										
	250										
	315										
	400										
	500										

Maximum number of cable glands



M	Side	
	A/B	C/D
12	117	50
16	56	22
20	42	18
25	21	10
32	14	6
40	7	3
50	5	2
63	5	2
75		
85		

DIN rail	TS 35
Length (mm)	381
max. fitting length (mm)	342



Order no.	Product type	Dimensions H x W x D (mm)
06.25 40 16	PEXe 06105	250 x 400 x 161
16.25 40 16	PEXi 16105	250 x 400 x 161
26.25 40 16	PExB 26105	250 x 400 x 161

	1,5	2,5	4	6	10	16	25	35	50	70	95
	170	138	116	86	35	29	23	23	18	14	
	2	2	2	2	1	1	1	1	1	1	
	6										
	10	87									
	16	30	58	226							
	20	12	34	65							
	25		16	37	71						
	35			11	28	69					
	50				4	22	57				
	63					7	26	95			
	80						10	29	106		
	100							12	28		
	125								11	28	
	160									9	25
	200										9
	225										3
	250										
	315										
	400										
	500										

Maximum number of cable glands



M	Side	
	A/B	C/D
12	117	50
16	56	22
20	42	18
25	21	10
32	14	6
40	7	3
50	5	2
63	5	2
75		
85		

DIN rail	TS 35
Length (mm)	381
max. fitting length (mm)	342



Technical details



Order no.	Product type	Dimensions H x W x D (mm)
06.25 60 12	PEXe 06110	250 x 600 x 121
16.25 60 12	PEXi 16115	250 x 600 x 121
26.25 60 12	PExB 26110	250 x 600 x 121

		1,5	2,5	4	6	10	16	25	35	50	70	95
		266	214	180	136	54	45	36	36	28		
	N	2	2	2	2	1	1	1	1	1		
x A	6											
	10	78										
	16	27	52	202								
	20	11	30	58								
	25		14	33	64							
	35			9	25	62						
	50				3	20	51					
	63					6	24	85				
	80						9	26	95			
	100							11	25			
	125								10	25		
	160									8		
	200											
	225											
	250											
	315											
	400											
	500											

Maximum number of cable glands



M	Side	
	A/B	C/D
12	108	50
16	52	24
20	36	18
25	30	10
32	12	7
40	6	3
50	4	3
63	4	2
75		
85		

DIN rail	TS 35
Length (mm)	581
max. fitting length (mm)	542



Order no.	Product type	Dimensions H x W x D (mm)
06.36 36 09	PEXe 06115	360 x 360 x 91
16.36 36 09	PEXi 16120	360 x 360 x 91
26.36 36 09	PExB 26115	360 x 360 x 91

		1,5	2,5	4	6	10	16	25	35	50	70	95
		228	183	153	78	62	52	42	42			
	N	3	3	3	2	2	2	2	2			
x A	6											
	10	77										
	16	26	51	199								
	20	11	30	58								
	25		14	32	63							
	35			9	24	61						
	50				3	20	50					
	63					6	23	83				
	80						9	26	93			
	100							11	24			
	125								10			
	160											
	200											
	225											
	250											
	315											
	400											
	500											

Maximum number of cable glands



M	Side	
	A/B	C/D
12	72	52
16	38	24
20	26	20
25	16	10
32	7	6
40	5	5
50	4	
63		
75		
85		

DIN rail	TS 35
Length (mm)	343
max. fitting length (mm)	304

Polyester Ex

Technical details



Order no.	Product type	Dimensions H x W x D (mm)
06.41 40 12	PEXe 06120	405 x 400 x 121
16.41 40 12	PEXi 16125	405 x 400 x 121
26.41 40 12	PExB 26120	405 x 400 x 121

	1,5	2,5	4	6	10	16	25	35	50	70	95
	255	207	174	129	70	58	23	23	18		
	3	3	3	3	2	2	1	1	1		
	6										
	10	92									
	16	31	61	237							
	20	13	35	69							
	25		17	39	75						
	35			11	29	73					
	50				4	24	60				
	63					8	28	99			
	80						10	31	111		
	100							13	29		
	125								12	29	
	160									10	
	200										
	225										
	250										
	315										
	400										
	500										

Maximum number of cable glands



M	Side	
	A/B	C/D
12	117	95
16	56	46
20	42	36
25	21	18
32	14	13
40	7	6
50	5	5
63	5	4
75		
85		

DIN rail	TS 35
Length (mm)	381
max. fitting length (mm)	342



Order no.	Product type	Dimensions H x W x D (mm)
06.41 40 20	PEXe 06125	405 x 400 x 201
16.41 40 20	PEXi 16130	405 x 400 x 201
26.41 40 20	PExB 26125	405 x 400 x 201

	1,5	2,5	4	6	10	16	25	35	50	70	95	120	150
	255	207	174	129	70	58	23	23	18	14	14	11	11
	3	3	3	3	2	2	1	1	1	1	1	1	1
	6												
	10	114											
	16	39	76	295									
	20	16	44	85									
	25		21	48	93								
	35			14	36	91							
	50				5	29	75						
	63					10	35	124					
	80						13	39	139				
	100							16	36				
	125								14	37			
	160									12	32		
	200										11	28	87
	225										4	16	34
	250											8	21
	315												4
	400												
	500												

Maximum number of cable glands



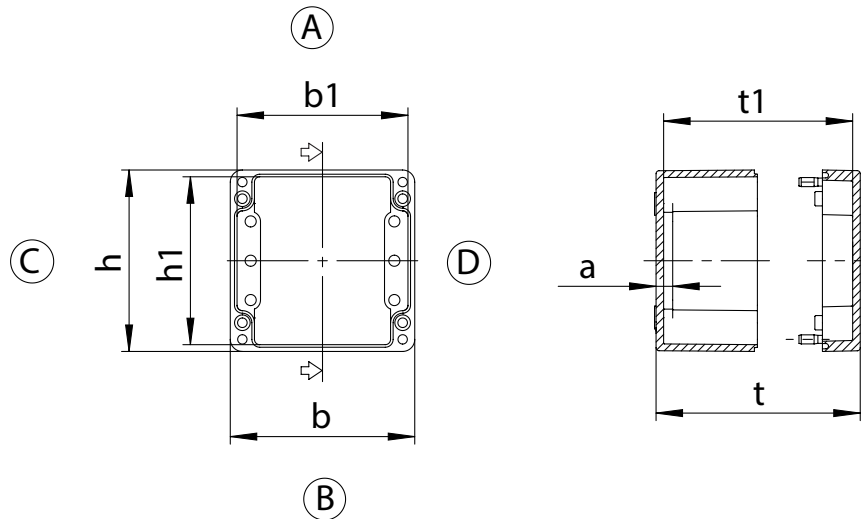
M	Side	
	A/B	C/D
12	210	190
16	98	91
20	88	77
25	45	43
32	28	26
40	17	15
50	12	11
63	9	8
75		
85		

DIN rail	TS 35
Length (mm)	381
max. fitting length (mm)	342



Technical details

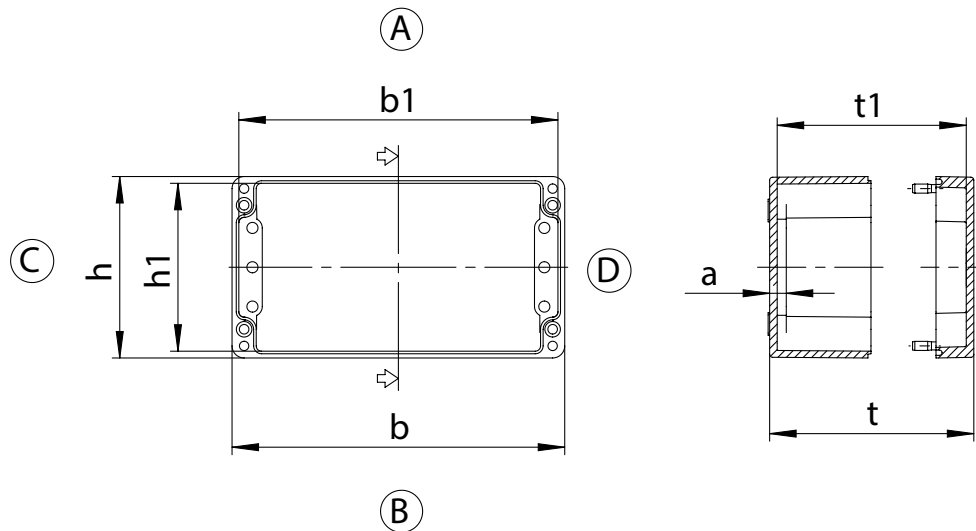
Order no.	b	h	t	b1	h1	t1	a
XX.08 08 06	80	75	56	71	66	46	10,5
XX.08 08 08	80	75	75	71	66	65	10,5
XX.12 12 09	122	120	91	113	111	80	11
XX.16 16 09	160	160	91	148	141	79	11,5
XX.36 36 09	360	360	91	348	348	79	11,5
XX.41 40 12	400	405	121	388	393	109	11,5
XX.41 40 20	401	406	201	388	393	189	11,5



Polyester Ex

Technical details

Order no.	b	h	t	b1	h1	t1	a
XX.08 11 06	110	75	56	101	66	46	10,5
XX.08 11 08	110	75	75	101	66	65	10,5
XX.08 16 06	160	75	56	151	66	46	10,5
XX.08 16 08	160	75	75	151	66	65	10,5
XX.08 19 06	190	75	56	181	66	46	10,5
XX.08 19 08	190	75	75	181	66	65	10,5
XX.08 23 06	230	75	56	221	66	46	10,5
XX.08 23 08	230	75	75	221	66	65	10,5
XX.12 22 09	220	120	91	211	111	80	11
XX.16 26 09	260	160	91	248	141	79	11,5
XX.16 36 09	360	160	91	348	141	79	11,5
XX.16 56 09	560	160	91	548	148	79	11,5
XX.25 26 12	255	250	121	243	238	109	11,5
XX.25 26 16	255	250	161	243	238	149	11,5
XX.25 40 12	400	250	121	388	238	109	11,5
XX.25 40 16	400	250	161	388	238	149	11,5
XX.25 60 12	600	250	121	588	238	109	11,5



For detailed drawings visit www.rose-pw.de



PExcom - pre-assembled polyester Ex enclosures



- + Ready to install
- + Available within 48 h
- + Pre-assembled: Fitting with terminals and cable glands

Included in delivery

Ex polyester enclosure with DIN rail and terminals (Phoenix Contact MUT 4 or UT 4) and plastic glands with ATEX and IECEx approval.

Technical Data

Explosion protection	II 2 G Ex eb IIC T6 Gb II 2 D Ex tb IIIC T 70 °C
Certificates	PTB 00 ATEX 1002 IECEX PTB 08.0004
Material	glass fibre reinforced duroplastic polyester, graphite added
Colour	RAL 9011, graphite black
Ingress protection	IP66 to EN 60529
Impact resistance	7 Joule to EN 60079-0
Flammability	self-extinguishing, UL 94 V-0
Surface resistance	<10 ⁹ Ohm to IEC 60093
Toxicity	halogen free
Temperature range	-55 °C to + 85 °C

PExcom - pre-assembled polyester Ex enclosures

Product range

Order No.	Type	B x L x H (mm)	Execution
06.08 08 06 4	PExcom 1	75 x 80 x 56	Fitting with terminals and cable glands
06.12 12 09 4	PExcom 2	120 x 122 x 91	Fitting with terminals and cable glands
06.16 16 09 4	PExcom 3	160 x 160 x 91	Fitting with terminals and cable glands
06.16 26 09 4	PExcom 4	160 x 260 x 91	Fitting with terminals and cable glands

Technical details



Type	Order No.	Dimensions (mm) H x W x D	Execution
PExcom 1	06.08 08 06 4	75 x 80 x 56	Fitting: TS 15 with 4 x Phoenix Contact MUT 2,5; 2 x Phoenix Contact MUT 2,5 PE Cable entry: Side A: 1 x M20 (Ø 6-12 mm) Side B: 2 x M16 (Ø 5-8 mm)



Type	Order No.	Dimensions (mm) H x W x D	Execution
PExcom 2	06.12 12 09 4	120 x 122 x 91	Fitting: TS 35/7,5 with 9 x Phoenix Contact UT 4; 2 x Phoenix Contact UT 4 PE Cable entry: Side B: 4 x M20 (Ø 6-12 mm)



Type	Order No.	Dimensions (mm) H x W x D	Execution
PExcom 3	06.16 16 09 4	160 x 160 x 91	Fitting: TS 35/7,5 with 14 x Phoenix Contact UT 4; 3 x Phoenix Contact UT 4 PE Cable entry: Side B: 6 x M20 (Ø 6-12 mm)



Type	Order No.	Dimensions (mm) H x W x D	Execution
PExcom 4	06.16 26 09 4	160 x 260 x 91	Fitting: TS 35/7,5 with 25 x Phoenix Contact UT 4; 4 x Phoenix Contact UT 4 PE Cable entry: Side B: 1 x M32 (Ø 18-25 mm) and 8 x M20 (Ø 6-12 mm)

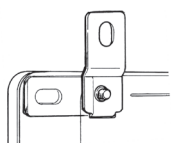
External mounting brackets

Set = 4 pcs.

Order No.

10.03 11 01 for 06.08 08 06 4

10.03 11 02 for 06.12 12 09 4 to 06.16 26 09 4





- + Polyester GRP enclosure systems for Ex application
- + Application: Ex junction boxes / Ex control stations
- + Two level fitting possibility

Included in delivery

Empty enclosure: Base and top with silicon seal, internal fixing, sleeves for base mounting, 4 polyamide system elements for individual height adjustment.
Junction box: Enclosure system -as before- with individual fitting, DIN rails, terminals, cable gland

Technical datas

Explosion protection	II 2 G Ex eb IIC T6/T5/T4 Gb II 2 G Ex ia IIC T6/T5/T4 Gb II 2 G Ex db eb ia [ia] mb IIC T6/T5/T4 Gb II 3 G Ex eb db mb ia [ia Ga] nA nC [op is] IIC T6, T5, T4 Gc II 2 D Ex tb IIIC T85 °C/T100 °C/T135 °C Db IP66
Certificates	PTB 00 ATEX 1002 IECEX PTB 08.0004 EAC RU C-DE.AA87.B.00637
Material	glass fibre reinforced duroplastic polyester, graphite added
Colour	RAL 9011, graphite black
Ingress protection	IP66 to EN 60529
Impact resistance	7 Joule to EN 60079-0
Flammability	self-extinguishing, UL 94 V-0
Surface resistance	<10 ⁹ Ohm to IEC 60093
Toxicity	halogen free
Temperature range	-55 °C to +135 °C
Other execution on request	EMC

Polyester Ex CombiBox

Product overview

Ex e		Ex Empty		Ex i		Dimensions H x W x D (mm)	Weight (g)
Order no.	Product type	Order no.	Product type	Order no.	Product type		
06.01 22 15	CB 1 Exe	26.01 22 15	CB 1 ExB	16.01 22 15	CB 1 Exi	177 x 177 x 145	1710
06.01 24 15	CB 2 Exe	26.01 24 15	CB 2 ExB	16.01 24 15	CB 2 Exi	360 x 177 x 145	2730
06.01 44 15	CB 3 Exe	26.01 44 15	CB 3 ExB	16.01 44 15	CB 3 Exi	360 x 360 x 145	4050

Terminal mounting

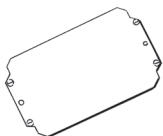
	Phoenix Contact											
DIN rail	TS 15	TS 15	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	
Nominal cross section (mm²)	2,5	4	2,5	4	6	10	16	35	50	95	150	
Spannung (V)	352	352	690	690	690	690	690	690	690	880	1100	
Terminal width (mm)	5,2	6,2	5,2	6,2	8,2	10,2	12,2	16,2	20	25	31	
Terminal type												
Enclosure type	MUT 2,5	MUT 4	UT 2,5	UT 4	UT 6	UT 10	UT 16	UT 35	UKH 50	UKH 95	UKH 150	
XX.01 22 15	22	18	22	18	14	11	9	7				
XX.01 24 15	54	45	54	45	34	27	23	17				
XX.01 44 15	216	135	216	135	102	81	46	34	28	11	11	

Other suppliers on request

Accessories

Order no.	Connecting flange	DIN rails	Mounting plate
XX.01 22 15	•	•	•
XX.01 24 15	•	•	•
XX.01 44 15	•	•	•

Mounting plate



Order no. Version

02.01 99 10	for CombiBox 1
02.01 99 11	for CombiBox 2
02.01 99 12	for CombiBox 3

PE bar



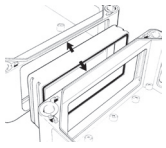
Order no. Version

10.06 80 03	for XX.01 22 15, lengthwise mounted
10.06 80 04	for XX.01 22 15, XX.01 24 15, crosswise mounted
10.06 80 05	for XX.01 24 15, XX.01 44 15, lengthwise mounted
10.06 80 06	for XX.01 44 15, crosswise mounted



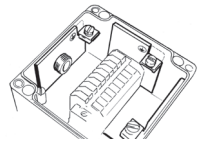
Accessories

Connecting flange



Order no.	Version
26.01 99 01	Connecting flange

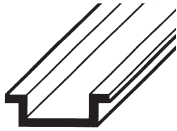
Continuity plate



for side A/B

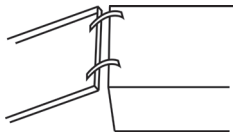
Order no.	Version
10.10 00 01	for XX.01 22 15
10.10 00 02	for XX.01 24 15

DIN rails



Order no.	Version
10.06 14 86	TS 35/7.5 for XX.01 22 15 on mounting frame
10.06 14 87	TS 35/7.5 for XX.01 22 15
10.06 14 85	TS 35/7.5 for XX.01 22 15, XX.01 24 15 crosswise
10.06 14 88	TS 35/7.5 for XX.01 24 15 lengthwise, XX.01 44 15

Lid safety strip



Order no.	Version
02.01 99 06	Set = 2 pcs

Mounting frame

Order no.	Version
02.01 99 02	for Combibox 1
02.01 99 03	for Combibox 2
02.01 99 04	for Combibox 3

Polyester Ex CombiBox

Technical details



Order no.	Product type	Dimensions H x W x D (mm)
06.01 22 15	CB 1 Exe	177 x 177 x 145
16.01 22 15	CB 1 Exi	177 x 177 x 145
26.01 22 15	CB 1 ExB	177 x 177 x 145

	1,5	2,5	4	6	10	16	25	35	50	70	95
	23	18	15	11	9	7	6	6			
	1	1	1	1	1	1	1	1			
III N	1	1	1	1	1	1	1	1			
x											
A											
6											
10	68										
16	23	45	175								
20	9	26	51								
25		12	29	55							
35			8	21	54						
50				3	17	44					
63					6	20	73				
80						8	23	82			
100							10	21			
125								8			
160											
200											
225											
250											
315											
400											
500											

Maximum number of cable glands



M	Side	
	A/B	C/D
12	36	36
16	16	16
20	12	12
25	6	6
32	4	4
40	2	2
50	1	1
63	1	1
75		
85		

DIN rail	TS 35
Length (mm)	152
max. fitting length (mm)	115



Order no.	Product type	Dimensions H x W x D (mm)
06.01 24 15	CB 2 Exe	360 x 177 x 145
16.01 24 15	CB 2 Exi	360 x 177 x 145
26.01 24 15	CB 2 ExB	360 x 177 x 145

	1,5	2,5	4	6	10	16	25	35	50	70	95
	66	53	45	34	27	22	18	18			
	1	1	1	1	1	1	1	1			
III N	1	1	1	1	1	1	1	1			
x											
A											
6											
10	72										
16	25	48	187								
20	10	28	54								
25		13	30	59							
35			9	23	57						
50				3	18	47					
63					6	22	78				
80						8	24	88			
100							10	23			
125								9			
160											
200											
225											
250											
315											
400											
500											

Maximum number of cable glands



M	Side	
	A/B	C/D
12	109	36
16	50	16
20	40	12
25	21	6
32	12	4
40	9	2
50	5	1
63	4	1
75		
85		

DIN rail	TS 35
Length (mm)	333
max. fitting length (mm)	285



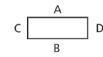
Technical details



Order no.	Product type	Dimensions H x W x D (mm)
06.01 44 15	CB 3 Exe	360 x 360 x 145
16.01 44 15	CB 3 Exi	360 x 360 x 145
26.01 44 15	CB 3 ExB	360 x 360 x 145

	1,5	2,5	4	6	10	16	25	35	50	70	95
	264	212	135	102	81	44	36	36	28	11	11
	4	4	3	3	3	2	2	2	1	1	1
	6										
	10	94									
	16	32	62	243							
	20	13	36	70							
	25		17	40	77						
	35			11	30	74					
	50				4	24	62				
	63					8	28	102			
	80						11	32	114		
	100							13	30		
	125								12	30	
	160									10	27
	200										9
	225										3
	250										
	315										7
	400										
	500										

Maximum number of cable glands



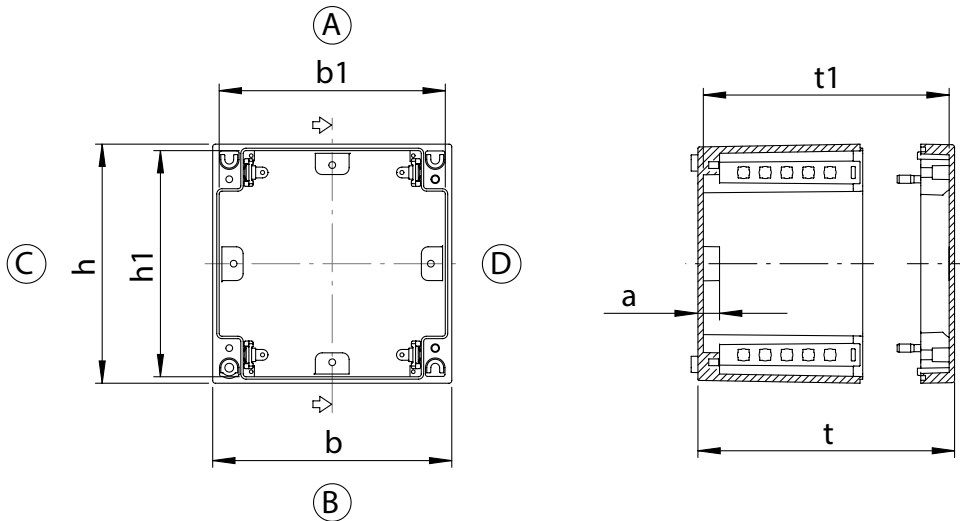
M	Side	
	A/B	C/D
12	109	109
16	50	50
20	40	40
25	21	21
32	12	12
40	9	9
50	5	5
63	4	4
75		
85		

DIN rail	TS 35
Length (mm)	333
max. fitting length (mm)	285

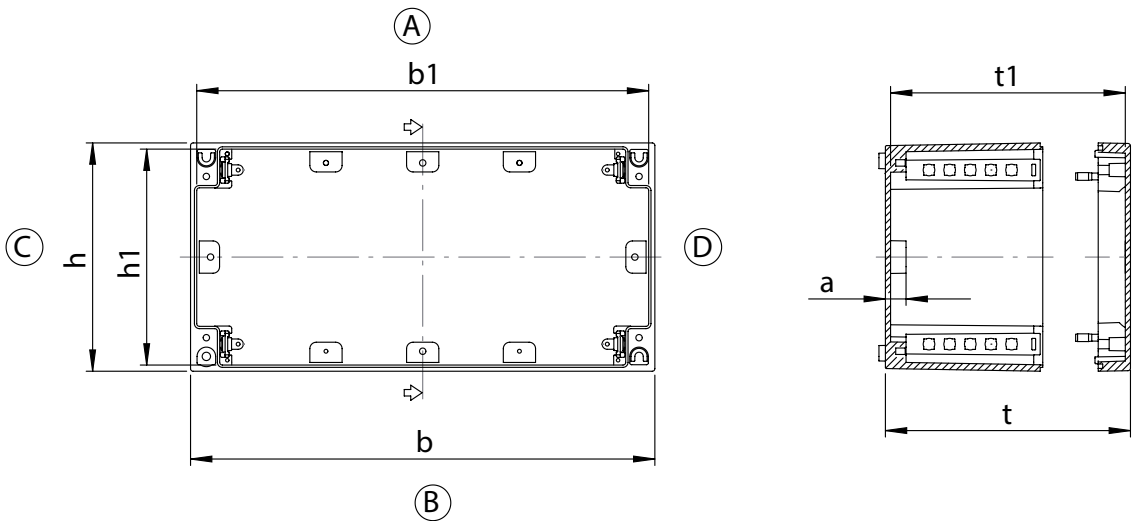
Polyester Ex CombiBox

Technical details

Order no.	b	h	t	b1	h1	t1	a
XX.01 22 15	177	177	145	169	169	137	16
XX.01 44 15	360	360	145	352	352	137	16



Order no.	b	h	t	b1	h1	t1	a
XX.01 24 15	360	177	145	352	169	137	16



For detailed drawings visit www.rose-pw.de





- + Glass fibre reinforced enclosure system of polyester resin for application in all Ex areas
- + Empty enclosure with U-approval for individual fittings and Ex eb / Ex ia junction boxes
- + Optional: Execution with window
- + Combination with other polyester flange enclosures possible

Included in delivery

Empty enclosure: Enclosure system with blind flange and silicone lid seal, polyurethane seal
Junction box: Enclosure system - depending on version either with silicone seal, continuity plate, DIN rails, internal earthing connection, terminals, manufacturing, cable glands

Technical datas

Explosion protection	II 2 G Ex eb IIC T6/T5/T4 Gb II 2 G Ex ia IIC T6/T5/T4 Gb II 2 G Ex db eb ia [ia] mb IIC T6/T5/T4 Gb II 3 G Ex eb db mb ia [ia Ga] nA nC [op is] IIC T6, T5, T4 Gc II 2 D Ex tb IIIC T85 °C/T100 °C/T135 °C Db IP65
Certificates	PTB 00 ATEX 1002 IECEX PTB 08.0004 EAC RU C-DE.AA87.B.00637
Material	glass fibre reinforced duroplastic polyester, graphite added
Colour	RAL 9011, graphite black
Ingress protection	IP65 to EN 60529
Impact resistance	7 Joule to EN 60079-0
Flammability	self-extinguishing, UL 94 V-0
Surface resistance	<10 ⁹ Ohm to IEC 60093
Toxicity	halogen free
Temperature range	-55 °C to +135 °C
Other execution on request	EMC

Polyester Ex Flange

Product overview

Ex e		Ex Empty		Ex i		Dimensions H x W x D (mm)	Weight (g)
Order no.	Product type	Order no.	Product type	Order no.	Product type		
06.14 01 00	PFEExe 0610	26.14 01 00	PFEExB 0610	16.14 01 00	PFEExi 0610	170 x 270 x 136	1690
06.14 02 00	PFEExe 0620	26.14 02 00	PFEExB 0620	16.14 02 00	PFEExi 0620	270 x 270 x 136	1900
06.14 03 00	PFEExe 0630	26.14 03 00	PFEExB 0630	16.14 03 00	PFEExi 0630	270 x 541 x 136	3350

Terminal mounting

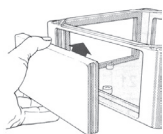
	Phoenix Contact											
DIN rail	TS 15	TS 15	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35			
Nominal cross section (mm²)	2,5	4	2,5	4	6	10	16	35	50			
Voltage (V)	352	352	690	690	690	690	690	690	690			
Terminal width (mm)	5,2	6,2	5,2	6,2	8,2	10,2	12,2	16,2	20			
Terminal type												
Enclosure type	MUT 2,5	MUT 4	UT 2,5	UT 4	UT 6	UT 10	UT 16	UT 35	UKH 50			PE bar 1,5 to 6 mm²
XX.14 01 00	42	35	42	35	26	21	18	13				20
XX.14 02 00	72	60	72	60	46	36	28	22				20
XX.14 03 00	176	148	176	148	112	90	74	56	50			48

Other suppliers on request

Accessories

Order no.	DIN rails	Mounting plate
XX.14 01 00	•	•
XX.14 02 00	•	•
XX.14 03 00	•	•

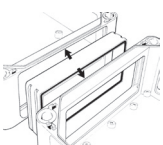
Blind flange



Order no. Version

06.14 00 20 for XX.14 01 00 - XX.14 03 00

Connecting flange



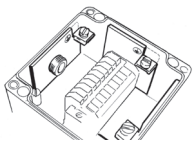
Order no. Version

06.14 00 25 Connecting flange



Accessories

Continuity plate



for side A/B

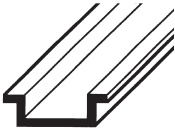
Order no. Version

12.05 52 80 for XX.14 01 00

12.05 52 81 for XX.14 02 00

12.05 52 82 for XX.14 03 00

DIN rails



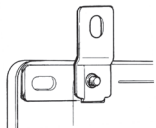
Order no. Version

10.06 17 21 TS 35/7.5 for XX.14 01 00

10.06 17 22 TS 35/7.5 for XX.14 02 00

10.06 17 23 TS 35/7.5 for XX.14 03 00

External mounting brackets

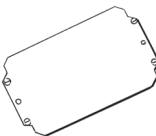


set = 4 pcs

Order no. Version

10.03 11 02 for XX.14 01 00 - XX.14 03 00

Mounting plate



Order no. Version

14.00 00 11 for XX.14 01 00

14.00 00 12 for XX.14 02 00

14.00 00 13 for XX.14 03 00

PE bar



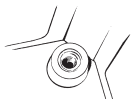
Order no. Version

12.05 42 80 for XX.14 01 00

12.05 42 81 for XX.14 02 00

12.05 42 82 for XX.14 03 00

Threaded insert



Set = 10 pcs

Order no.

10.03 50 02

Polyester Ex Flange

Technical details



Order no.	Product type	Dimensions H x W x D (mm)
06.14 01 00	PFExe 0610	170 x 270 x 136
16.14 01 00	PFExi 0610	170 x 270 x 136
26.14 01 00	PFExB 0610	170 x 270 x 136

	1,5	2,5	4	6	10	16	25	35	50	70	95
	54	44	37	28	22	18	15	15			
	1	1	1	1	1	1	1	1			
 	6										
	10	66									
	16	22	44	171							
	20	9	25	49							
	25		12	28	54						
	35			8	21	53					
	50				3	17	43				
	63					5	20	72			
	80						7	22	80		
	100							9	21		
	125								8		
	160										
	200										
	225										
	250										
	315										
	400										
	500										

Maximum number of cable glands



M	Side	
	A/B	C/D
12	63	33
16	28	16
20	22	12
25	12	6
32	8	4
40	3	2
50	3	1
63	2	1
75		
85		

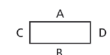
DIN rail	TS 35
Length (mm)	255
max. fitting length (mm)	220



Order no.	Product type	Dimensions H x W x D (mm)
06.14 02 00	PFExe 0620	270 x 270 x 136
16.14 02 00	PFExi 0620	270 x 270 x 136
26.14 02 00	PFExB 0620	270 x 270 x 136

	1,5	2,5	4	6	10	16	25	35	50	70	95
	108	88	74	56	44	36	30	30			
	2	2	2	2	2	2	2	2			
 	6										
	10	77									
	16	26	51	198							
	20	11	30	57							
	25		14	32	63						
	35			9	24	61					
	50				3	20	50				
	63					6	23	83			
	80						9	26	93		
	100							11	24		
	125								10		
	160										
	200										
	225										
	250										
	315										
	400										
	500										

Maximum number of cable glands



M	Side	
	A/B	C/D
12	63	63
16	28	28
20	22	22
25	12	12
32	8	8
40	3	3
50	3	3
63	2	2
75		
85		

DIN rail	TS 35
Length (mm)	215
max. fitting length (mm)	190



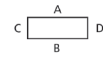
Technical details



Order no.	Product type	Dimensions H x W x D (mm)
06.14 03 00	PFExe 0630	270 x 541 x 136
16.14 03 00	PFExi 0630	270 x 541 x 136
26.14 03 00	PFExB 0630	270 x 541 x 136

		1,5	2,5	4	6	10	16	25	35	50	70	95
		238	192	160	122	98	82	64	64	50	40	
	N	2	2	2	2	2	2	2	2	2	2	
 x A	6											
	10	85										
	16	29	56	220								
	20	12	33	64								
	25		15	36	69							
	35			10	27	67						
	50				4	22	56					
	63					7	26	92				
	80						10	29	103			
	100							12	27			
	125								11	27		
	160									9	24	
	200										8	
	225										3	
	250											
	315											
	400											
	500											

Maximum number of cable glands



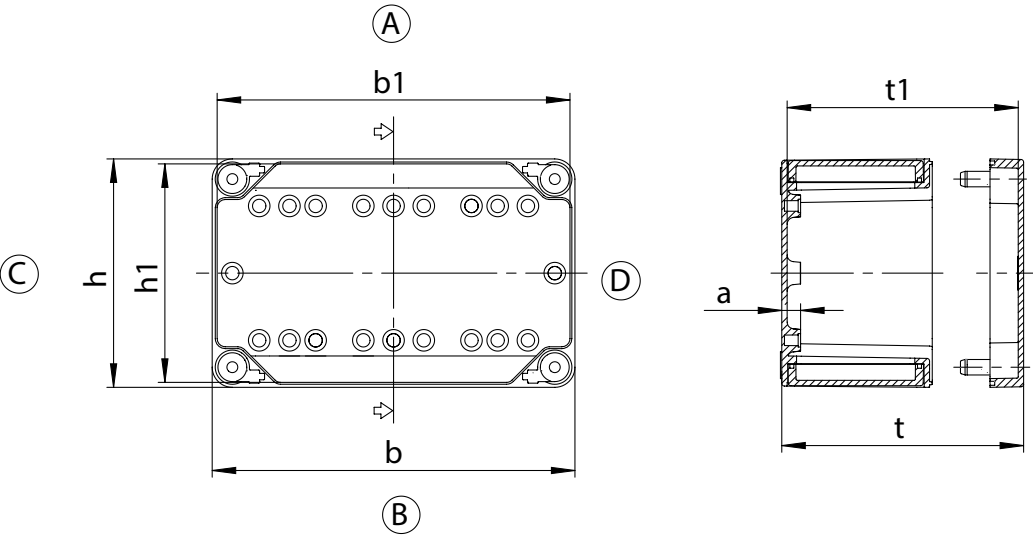
M	Side	
	A/B	C/D
12	63	63
16	28	28
20	22	22
25	12	12
32	8	8
40	3	3
50	3	3
63	2	2
75		
85		

DIN rail	TS 35
Length (mm)	485
max. fitting length (mm)	460

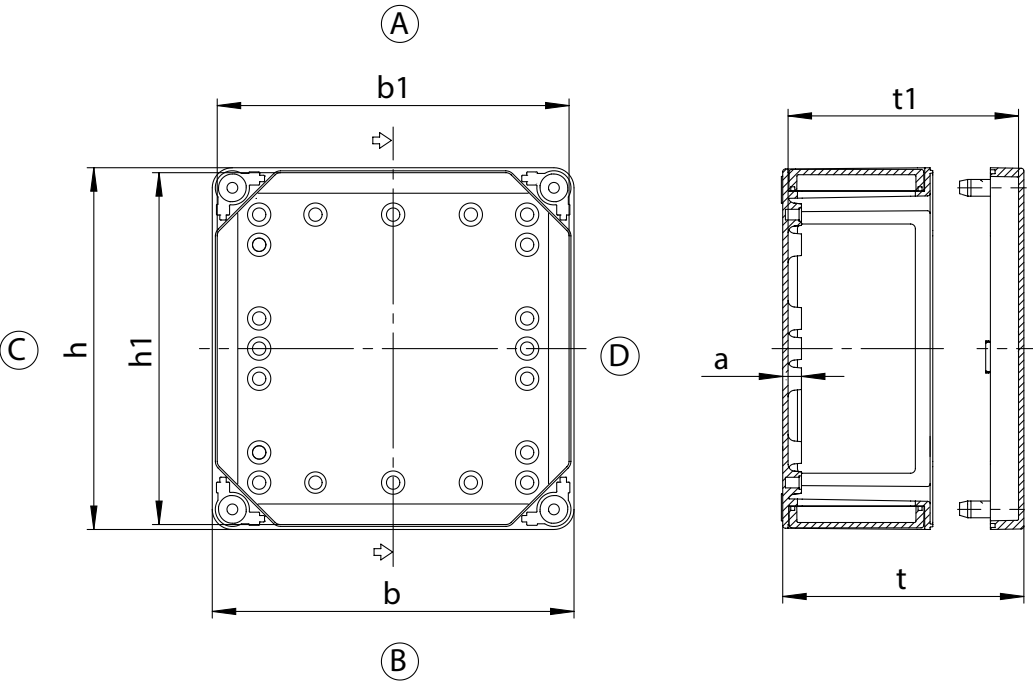
Polyester Ex Flange

Technical details

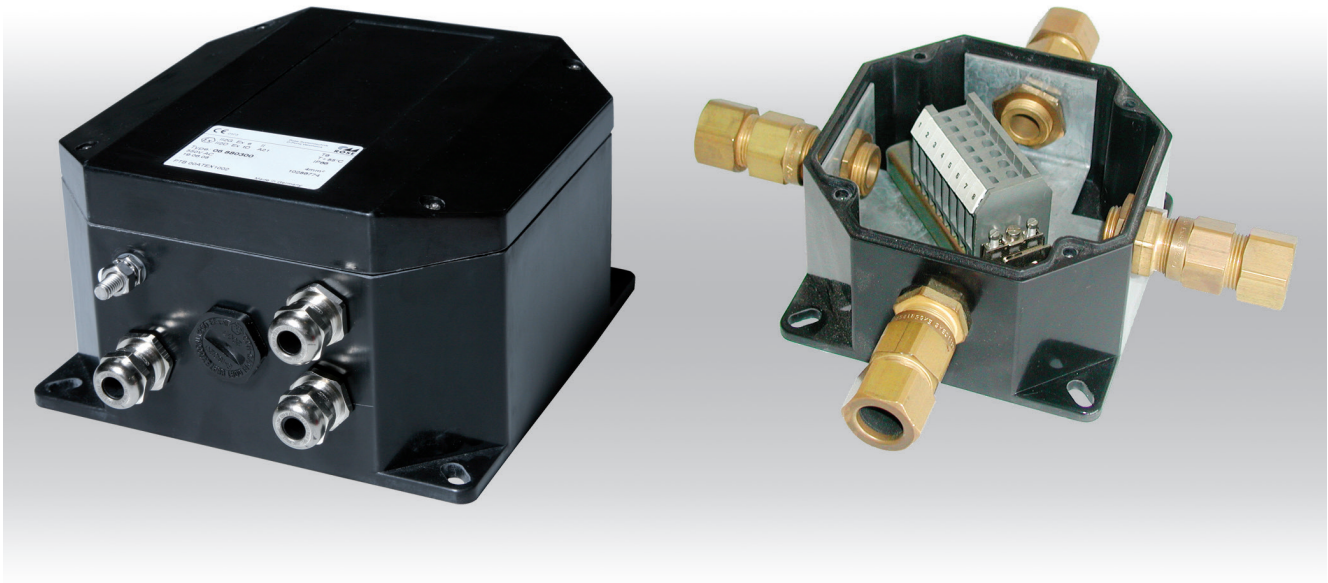
Order no.	b	h	t	b1	h1	t1	a
XX.14 01 00	270	170	136	257	157	127	14
XX.14 03 00	541	170	136	528	157	127	14



Order no.	b	h	t	b1	h1	t1	a
XX.14 02 00	270	270	136	257	257	127	14



Polyester Ex Okta Box



NEC 505
(UL Ex)



- + Glass fibre reinforced enclosure system of polyester-resin for use in all Ex-areas
- + Empty enclosures with U-approval for individual fittings and Ex eb / Ex ia terminal enclosures
- + enclosures with external brackets

Included in delivery

Empty enclosure: Enclosure with silicone seal
Junction box: Enclosure system - depending on version either with silicone seal, continuity plate, DIN rails, internal earthing connection, terminals, manufacturing, cable glands

Technical datas

Explosion protection	II 2 G Ex eb IIC T6/T5/T4 Gb II 2 G Ex ia IIC T6/T5/T4 Gb II 2 G Ex db eb ia [ia] mb IIC T6/T5/T4 Gb II 3 G Ex eb db mb ia [ia Ga] nA nC [op is] IIC T6, T5, T4 Gc II 2 D Ex tb IIIC T85 °C/T100 °C/T135 °C Db IP66
Certificates	PTB 00 ATEX 1002 IECEX PTB 08.0004 EAC RU C-DE.AA87.B.00637
Material	glass fibre reinforced duroplastic polyester, graphite added
Colour	RAL 9011, graphite black
Ingress protection	IP66 to EN 60529
Impact resistance	7 Joule to EN 60079-0
Flammability	self-extinguishing, UL 94 V-0
Surface resistance	<10 ⁹ Ohm to IEC 60093
Toxicity	halogen free
Temperature range	-55 °C to +135 °C
Other execution on request	EMC

Polyester Ex Okta Box

Product overview

Ex e		Ex Empty		Ex i		Dimensions H x W x D (mm)	Weight (g)
Order no.	Product type	Order no.	Product type	Order no.	Product type		
06.88 01 00	Okta Exe 0601	26.88 01 00	Okta ExB 2601	16.88 01 00	Okta Exi 1601	81 x 81 x 75	320
06.88 02 00	Okta Exe 0602	26.88 02 00	Okta ExB 2602	16.88 02 00	Okta Exi 1602	121 x 121 x 75	500
06.88 03 00	Okta Exe 0603	26.88 03 00	Okta ExB 2603	16.88 03 00	Okta Exi 1603	161 x 161 x 93	320
06.88 04 00	Okta Exe 0604	26.88 04 00	Okta ExB 2604	16.88 04 00	Okta Exi 1604	200 x 200 x 125	2100

Terminal mounting

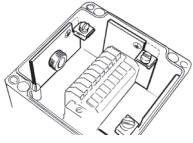
	Phoenix Contact										
DIN rail	TS 15	TS 15	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35		
Nominal cross section (mm²)	2,5	4	2,5	4	6	10	16	35	50		
Voltage (V)	352	352	690	690	690	690	690	690	690		
Terminal width (mm)	5,2	6,2	5,2	6,2	8,2	10,2	12,2	16,2	20		
Terminal type											
Enclosure type	MUT 2,5	MUT 4	UT 2,5	UT 4	UT 6	UT 10	UT 16	UT 35	UKH 50		Sheath clamp (2 x 4 mm² each clamp)
XX.88 01 00											2
XX.88 02 00	13	11	13	11	8	7					2
XX.88 03 00	20	17	20	17	13	10	8				2
XX.88 04 00	28	23	28	23	18	14	12	9	7		2

Other suppliers on request



Accessories

Continuity plate



Order no. Version

10.01 60 15 for XX.88 01 00

10.01 60 16 for XX.88 02 00

10.01 60 17 for XX.88 03 00

10.01 60 18 for XX.88 04 00

DIN rails



Order no. Version

12.01 02 90 DIN rail TS 15 for XX.88 01 00 lengthwise mounted

12.01 02 93 DIN rail TS 15 for XX.88 01 00 diagonally mounted

12.01 12 91 DIN rail TS 35 for XX.88 01 00 lengthwise mounted

12.01 02 91 DIN rail TS 15 for XX.88 02 00 lengthwise / diagonally mounted

12.01 12 92 DIN rail TS 35 for XX.88 02 00 lengthwise mounted

12.01 02 92 DIN rail TS 15 for XX.88 03 00 lengthwise mounted

12.01 12 95 DIN rail TS 35 for XX.88 03 00 diagonally mounted

12.01 12 93 DIN rail TS 35 for XX.88 03 00 lengthwise mounted

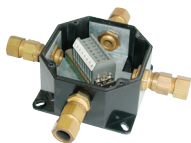
12.01 02 95 DIN rail TS 15 for XX.88 04 00 lengthwise mounted

12.01 02 97 DIN rail TS 15 for XX.88 04 00 diagonally mounted

12.01 12 94 DIN rail TS 35 for XX.88 04 00 diagonally mounted

Polyester Ex Okta Box

Technical details



Order no.	Product type	Dimensions H x W x D (mm)
06.88 01 00	Okta Exe 0601	81 x 81 x 75
16.88 01 00	Okta Exi 1601	81 x 81 x 75
26.88 01 00	Okta ExB 2601	81 x 81 x 75

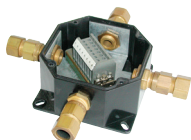
		1,5	2,5	4	6	10	16	25	35	50	70	95
		8	8									
		1	1									
	N											
	6											
	10	32										
	16	11	21									
	20	4	12									
	25		5									
	35											
	50											
	63											
	80											
	100											
	125											
	160											
	200											
	225											
	250											
	315											
	400											
	500											

Maximum number of cable glands



M	Side	
	A/B	C/D
12	3	3
16	1	1
20	1	1
25		
32		
40		
50		
63		
75		
85		

DIN rail	TS 15
Length (mm)	68



Order no.	Product type	Dimensions H x W x D (mm)
06.88 02 00	Okta Exe 0602	121 x 121 x 75
16.88 02 00	Okta Exi 1602	121 x 121 x 75
26.88 02 00	Okta ExB 2602	121 x 121 x 75

		1,5	2,5	4	6	10	16	25	35	50	70	95
		14	12	10	7	6						
		1	1	1	1	1						
	N											
	6											
	10	36										
	16	12	24	93								
	20	5	14	27								
	25		6	15	29							
	35			4	11	28						
	50					9						
	63					3						
	80											
	100											
	125											
	160											
	200											
	225											
	250											
	315											
	400											
	500											

Maximum number of cable glands



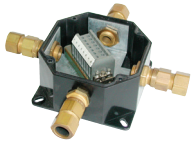
M	Side	
	A/B	C/D
12	8	8
16	3	3
20	2	2
25	1	1
32		
40		
50		
63		
75		
85		

DIN rail	TS 15/35
Length (mm)	101
max. fitting length (mm)	72



Polyester Ex Okta Box

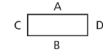
Technical details



Order no.	Product type	Dimensions H x W x D (mm)
06.88 03 00	Okta Exe 0603	161 x 161 x 93
16.88 03 00	Okta Exi 1603	161 x 161 x 93
26.88 03 00	Okta ExB 2603	161 x 161 x 93

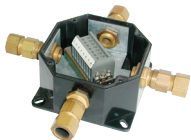
		1,5	2,5	4	6	10	16	25	35	50	70	95
		24	19	16	12	10	8					
	N	1	1	1	1	1	1					
x A	6											
	10	47										
	16	16	31	121								
	20	6	18	35								
	25		8	20	38							
	35			5	15	37						
	50				2	12	30					
	63					4	14					
	80						5					
	100											
	125											
	160											
	200											
	225											
	250											
	315											
	400											
	500											

Maximum number of cable glands



M	Side	
	A/B	C/D
12	15	15
16	8	8
20	5	5
25	2	2
32	2	2
40		
50		
63		
75		
85		

DIN rail	TS 15/35
Length (mm)	141
max. fitting length (mm)	107,5



Order no.	Product type	Dimensions H x W x D (mm)
06.88 04 00	Okta Exe 0604	200 x 200 x 125
16.88 04 00	Okta Exi 1604	200 x 200 x 125
26.88 04 00	Okta ExB 2604	200 x 200 x 125

		1,5	2,5	4	6	10	16	25	35	50	70	95
		111	90	75	57	30	24	10	10	7		
	N	1	1	1	1	1	1	1	1	1		
x A	6											
	10	64										
	16	22	42	165								
	20	9	25	48								
	25		11	27	52							
	35			8	20	51						
	50				3	16	42					
	63					5	19	69				
	80						7	21	77			
	100							9	20			
	125								8	20		
	160									7		
	200											
	225											
	250											
	315											
	400											
	500											

Maximum number of cable glands



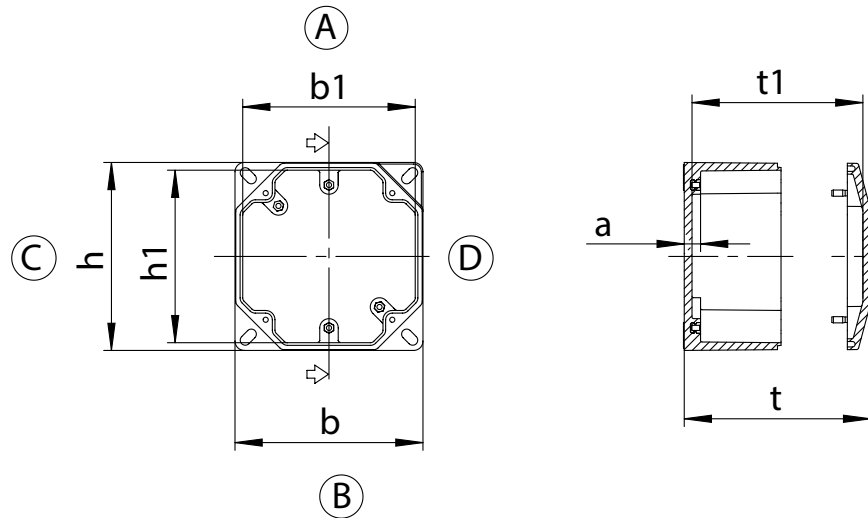
M	Side	
	A/B	C/D
12	36	36
16	16	16
20	12	12
25	6	6
32	4	4
40	2	2
50	2	2
63	1	1
75		
85		

DIN rail	TS 35
Length (mm)	178
max. fitting length (mm)	148

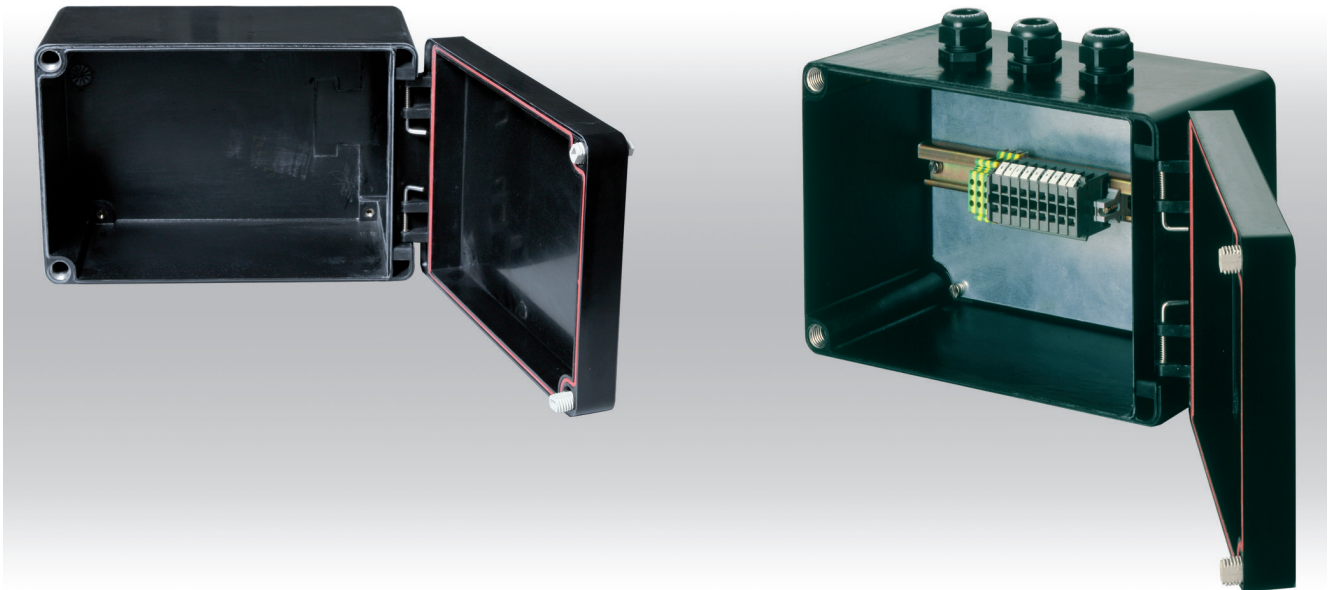
Polyester Ex Okta Box

Technical details

Order no.	b	h	t	b1	h1	t1	a
XX.88 01 00	81	81	75	71	71	65	10,5
XX.88 02 00	121	121	75	111	111	65	10,5
XX.88 03 00	161	161	93	151	151	83	10,5
XX.88 04 00	201	201	125	188	188	110	14,5



Polyester Ex cabinets Polyglas



- + Polyester Ex enclosure with hinged lid
- + Easy fitting of Ex components
- + Available as full assembled enclosure with terminals, cable glands and further Ex accessories or as empty enclosure with U-approval, component certified

Included in delivery

Empty enclosure: Enclosure with silicone seal and square lock.

Junction box: Enclosure system - depending on version with silicone seal, continuity plate, with DIN rails, internal earthing connections, terminals, manufacturing, cable glands, square lock

Technical datas

Explosion protection	II 2 G Ex eb IIC T6/T5/T4 Gb II 2 G Ex ia IIC T6/T5/T4 Gb II 2 G Ex db eb ia [ia] mb IIC T6/T5/T4 Gb II 3 G Ex eb db mb ia [ia Ga] nA nC [op is] IIC T6, T5, T4 Gc II 2 D Ex tb IIIC T85 °C/T100 °C/T135 °C Db IP66
Certificates	PTB 00 ATEX 1002 IECEX PTB 08.0004 EAC RU C-DE.AA87.B.00637
Material	glass fibre reinforced duroplastic polyester, graphite added
Colour	RAL 9011, graphite black
Ingress protection	IP66 to EN 60529
Impact resistance	7 Joule to EN 60079-0
Flammability	self-extinguishing, UL 94 V-0
Surface resistance	<10 ⁹ Ohm to IEC 60093
Toxicity	halogen free
Temperature range	-55 °C to +135 °C

Polyester Ex cabinets Polyglas

Product overview

Ex e		Ex Empty		Ex i		Dimensions H x W x D (mm)	Weight (g)
Order no.	Product type	Order no.	Product type	Order no.	Product type		
06.20 20 00	Pog Exe 1	26.20 20 00	Pog ExB 1	16.20 20 00	Pog Exi 1	200 x 200 x 168	1800
06.20 30 00	Pog Exe 2	26.20 30 00	Pog ExB 2	16.20 30 00	Pog Exi 2	200 x 300 x 168	2350
06.30 40 00	Pog Exe 3	26.30 40 00	Pog ExB 3	16.30 40 00	Pog Exi 3	405 x 305 x 202	4100
06.40 60 00	Pog Exe 4	26.40 60 00	Pog ExB 4	16.40 60 00	Pog Exi 4	605 x 405 x 252	7200

Terminal mounting

	Phoenix Contact												
DIN rail	TS 15	TS 15	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	
Nominal cross section (mm²)	2,5	4	2,5	4	6	10	16	35	50	95	150	240	
Voltage (V)	352	352	690	690	690	690	690	690	690	880	1100	1100	
Terminal width (mm)	5,2	6,2	5,2	6,2	8,2	10,2	12,2	16,2	20	25	31	36	
Terminal type													Sheath clamp (2 x 4 mm² each clamp)
Enclosure type	MUT 2,5	MUT 4	UT 2,5	UT 4	UT 6	UT 10	UT 16	UT 35	UKH 50	UKH 95	UKH 150	UKH 240	
XX.20 20 00	25	21	25	21	15	12	10	8					
XX.20 30 00	44	37	44	37	28	22	18	14	13				
XX.30 40 00	124	110	124	110	84	66	28	21	18	14	11		
XX.40 60 00	312	261	312	261	132	106	88	33	28	22	18	10	

Other suppliers on request

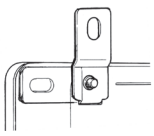
Accessories

Order no.	External mounting brackets	Mounting plate
XX.20 20 00	•	•
XX.20 30 00	•	•
XX.30 40 00	•	•
XX.40 60 00	•	•



Accessories

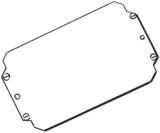
External mounting brackets



set = 4 pcs

Order no.	Version
10.03 10 08	for XX.20 20 00, XX.20 30 00
10.03 10 09	for XX.30 40 00, XX.40 60 00

Mounting plate



Order no.	Version
10.01 12 01	for XX.20 20 00
10.01 12 02	for XX.20 30 00
10.01 12 03	for XX.30 40 00
10.01 12 04	for XX.40 60 00

Socket wrench



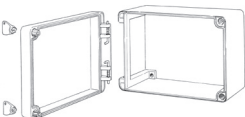
Order no.	Version
10.04 70 03	triangular 8mm
10.04 70 04	square 8mm
10.04 70 05	phillips screw
10.04 70 14	square 7mm
10.04 70 06	Daimler Benz
10.04 70 07	double ward 3mm

Turn bolt fastener



Order no.	Version
21.61 00 03	triangular lock 8mm
21.61 00 04	square lock 8 mm (2 pcs)
21.61 00 14	square lock 7 mm (2 pcs)
21.61 00 06	daimler benz lock (2 pcs)
21.61 00 07	double ward lock 3mm (2 pcs)
21.61 00 01	standard handle (2 pcs)
21.61 00 02	standard handle with lock (2pcs)

locking screws



Order no.	Version
21.63 00 03	triangular screw 8mm
21.63 00 04	square screw 8mm (2 pcs)
21.63 00 24	square screw 6mm (2 pcs)
21.63 00 05	phillips screw (2 pcs)

Polyester Ex cabinets Polyglas

Technical details



Order no.	Product type	Dimensions H x W x D (mm)
06.20 20 00	Pog Exe 1	200 x 200 x 168
16.20 20 00	Pog Exi 1	200 x 200 x 168
26.20 20 00	Pog ExB 1	200 x 200 x 168

	1,5	2,5	4	6	10	16	25	35	50	70	95
	35	28	24	18	14	12	9	9			
	1	1	1	1	1	1	1	1			
	6										
	10	76									
	16	26	50	197							
	20	10	29	57							
	25		14	32	62						
	35			9	24	60					
	50				3	19	50				
	63					6	23	82			
	80						9	26	92		
	100							11	24		
	125								9		
	160										
	200										
	225										
	250										
	315										
	400										
	500										

Maximum number of cable glands



M	Side	
	A/B	C/D
12	39	53
16	18	25
20	13	20
25	6	10
32	5	6
40	3	4
50	2	2
63	1	2
75		
85		

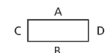
DIN rail	TS 35
Length (mm)	151
max. fitting length (mm)	131



Order no.	Product type	Dimensions H x W x D (mm)
06.20 30 00	Pog Exe 2	200 x 300 x 168
16.20 30 00	Pog Exi 2	200 x 300 x 168
26.20 30 00	Pog ExB 2	200 x 300 x 168

	1,5	2,5	4	6	10	16	25	35	50	70	95
	62	50	42	31	25	21	17	17	13		
	1	1	1	1	1	1	1	1	1		
	6										
	10	80									
	16	27	53	208							
	20	11	31	60							
	25		14	34	65						
	35			10	25	64					
	50				3	21	53				
	63					7	24	87			
	80						9	27	97		
	100							11	25		
	125								10	26	
	160									9	
	200										
	225										
	250										
	315										
	400										
	500										

Maximum number of cable glands



M	Side	
	A/B	C/D
12	77	53
16	38	25
20	28	20
25	15	10
32	9	6
40	6	4
50	4	2
63	3	2
75		
85		

DIN rail	TS 35
Length (mm)	251
max. fitting length (mm)	231



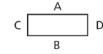
Technical details



Order no.	Product type	Dimensions H x W x D (mm)
06.30 40 00	Pog Exe 3	405 x 305 x 202
16.30 40 00	Pog Exi 3	405 x 305 x 202
26.30 40 00	Pog ExB 3	405 x 305 x 202

		1,5	2,5	4	6	10	16	25	35	50	70	95	120	150
		172	140	116	88	70	29	24	24	18	14	14	11	11
 N		2	2	2	2	2	1	1	1	1	1	1	1	1
 x A	6													
	10	105												
	16	36	70	272										
	20	15	41	79										
	25		19	45	86									
	35			13	34	84								
	50				5	27	69							
	63					9	32	114						
	80						12	36	128					
	100							15	34					
	125								13	34				
	160									11	30			
	200										10	26	80	
	225										4	15	31	
	250											8	19	40
	315												4	11
	400													
500														

Maximum number of cable glands



M	Side	
	A/B	C/D
12	106	144
16	48	65
20	40	54
25	21	30
32	12	17
40	8	12
50	5	7
63	4	5
75		
85		

DIN rail	TS 35
Length (mm)	365
max. fitting length (mm)	345



Order no.	Product type	Dimensions H x W x D (mm)
06.40 60 00	Pog Exe 4	605 x 405 x 252
16.40 60 00	Pog Exi 4	605 x 405 x 252
26.40 60 00	Pog ExB 4	605 x 405 x 252

	1,5	2,5	4	6	10	16	25	35	50	70	95	120	150	185	240
	402	324	273	136	110	92	37	37	28	22	22	18	18	10	10
	3	3	3	2	2	2	1	1	1	1	1	1	1	1	1
	6														
	10	138													
	16	47	91	356											
	20	19	53	103											
	25		25	58	112										
	35			17	44	109									
	50				6	35	90								
	63					12	42	149							
	80						16	47	167						
	100							20	44						
	125								2	18	44				
	160									15	39				
	200										14	34	105		
	225										5	19	41		
	250											10	25	52	
	315												5	15	31
	400													7	21
	500														3

Maximum number of cable glands



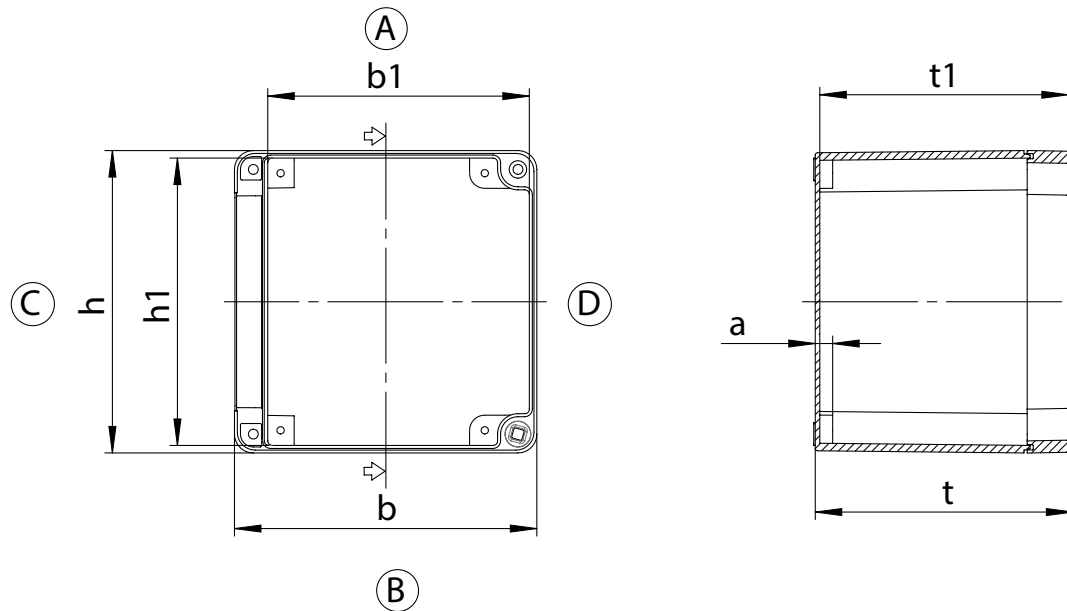
M	Side	
	A/B	C/D
12	215	256
16	102	158
20	81	123
25	43	65
32	26	40
40	18	27
50	11	18
63	10	14
75		
85		

DIN rail	TS 35
Length (mm)	565
max. fitting length (mm)	545

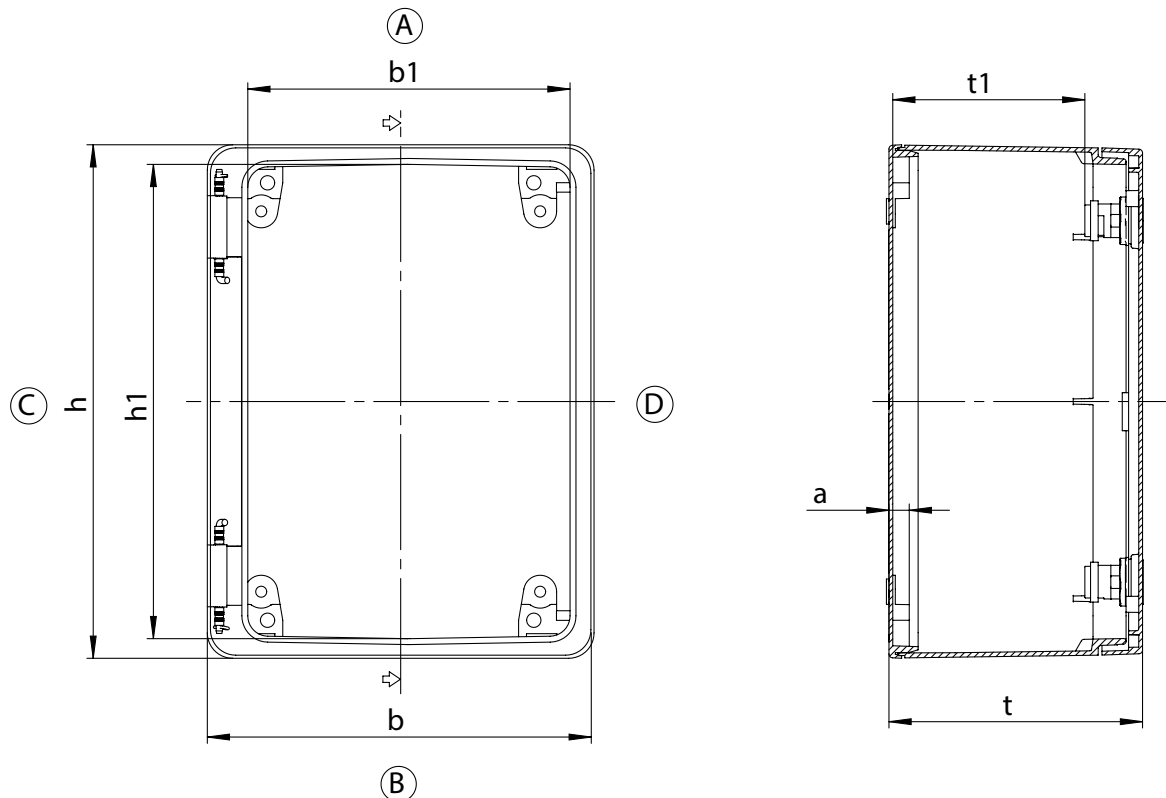
Polyester Ex cabinets Polyglas

Technical details

Order no.	b	h	t	b1	h1	t1	a
XX.20 20 00	200	200	168	173	190	162	8,5
XX.20 30 00	300	200	168	273	190	162	8,5



Order no.	b	h	t	b1	h1	t1	a
XX.30 40 00	305	400	202	254	374	132	16
XX.40 60 00	405	600	252	352	573	181	16



For detailed drawings visit www.rose-pw.de



Polyester Ex enclosures for mining industry



- + Polyester enclosures with impact resistance of 20 Joule
- + Empty enclosures with U-approval for individual fittings
- + Silicone seal and allen lid screws

Included in delivery

Empty enclosure: Enclosure system with silicone seal.

Junction box: Enclosure system - depending on version with silicone seal, DIN rails, internal earthing connection, terminals, continuity plate, manufacturing, cable glands.

Technical datas

Explosion protection	I M2 Ex e I I M1 Ex ia I
Certificates	IBExU06ATEX1065U
Material	glass fibre reinforced duroplastic polyester, graphite added
Colour	RAL 9011, graphite black
Ingress protection	IP54 to EN 60529
Impact resistance	20 Joule to EN 60079-0
Flammability	self-extinguishing, UL 94 V-0
Surface resistance	<10 ⁹ Ohm to IEC 60093
Toxicity	halogen free
Temperature range	-55 °C to +100 °C
Other execution on request	EMC

Polyester Ex enclosures for mining industry

Product overview

Ex Empty		Dimensions H x W x D (mm)	Weight (g)
Order no.	Product type		
48.08 11 06	ExM 48010	75 x 110 x 56	295
48.08 16 06	ExM 48015	75 x 160 x 56	405
48.08 19 06	ExM 48020	75 x 190 x 56	450
48.12 12 09	ExM 48025	120 x 122 x 91	750
48.12 22 09	ExM 48030	120 x 220 x 91	1060
48.16 16 09	ExM 48035	160 x 160 x 91	1290
48.16 26 09	ExM 48040	160 x 260 x 91	1710
48.16 36 09	ExM 48045	160 x 360 x 91	2150
48.25 26 12	ExM 48050	250 x 255 x 121	2650
48.25 40 12	ExM 48055	250 x 400 x 121	3650
48.25 60 12	ExM 48060	250 x 600 x 121	5235

Terminal mounting

	Phoenix Contact														Bartec						
DIN rail	TS 15	TS 15	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35									
Nominal cross section (mm²)	2,5	4	2,5	4	6	10	16	35	50	95	150	240									
Voltage (V)	352	352	690	690	690	690	690	690	690	880	1100	1100									
Terminal width (mm)	5,2	6,2	5,2	6,2	8,2	10,2	12,2	16,2	20	25	31	36									
Terminal type	MUT 2,5	MUT 4	UT 2,5	UT 4	UT 6	UT 10	UT 16	UT 35	UKH 50	UKH 95	UKH 150	UKH 240	PE bar 1,5 to 6 mm²	Sheath clamp (2 x 4 mm², 3 x 2,5 mm² each clamp)	Sheath clamp (2 x 6 mm², 3 x 4 mm², 4 x 2,5 mm² each clamp)	Ex Mini terminals	Ex Mini terminals blue				
Enclosure type																					
48.08 11 06	13	11																	4		
48.08 11 08	13	11																	4		
48.08 16 06	22	19																	4		
48.08 19 06	28	23																	4		
48.12 12 09	12	10	12	10	7	6	5												2		
48.12 22 09	32	26	32	26	20	16	13												4		
48.16 16 09	20	16	20	16	12	10	8	6								10					
48.16 26 09	39	33	39	33	25	20	16	12								22					
48.16 36 09	58	48	58	48	36	29	24	18								32					
48.25 26 12	74	62	74	62	48	19	16	12	9							22					
48.25 26 16	74	62	74	62	48	19	16	12	9	7						22					
48.25 40 12	130	110	130	110	82	33	28	21	17							38					
48.25 60 12	208	174	208	174	132	53	44	33	27							58					

Other suppliers on request



Polyester Ex enclosures for mining industry

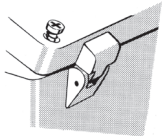
Accessories

DIN rails



Order no.	Version
10.06 11 02	TS 15 for 48.08 11 06
10.06 10 08	TS 15 for 48.08 16 06
10.06 10 10	TS 15 for 48.08 19 06
10.06 14 21	TS 35/7.5 for 48.12 12 09
10.06 14 22	TS 35/7.5 for 48.12 22 09
10.06 14 23	TS 35/7.5 for 48.16 16 09
10.06 14 24	TS 35/7.5 for 48.16 26 09
10.06 14 25	TS 35/7.5 for 48.16 36 09
10.06 14 34	TS 35/7.5 for 48.25 26 12
10.06 14 27	TS 35/7.5 for 48.25 40 12
10.06 14 28	TS 35/7.5 for 48.25 60 12

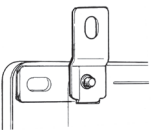
External hinges



Swivelling range 150°,
set = 2 pcs

Order no.	Version
10.02 70 01	for 48.12 12 09 - 48.25 60 12

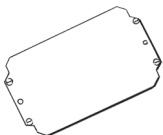
External mounting brackets



set = 4 pcs

Order no.	Version
10.03 11 01	for XX.08 08 06 - XX.10 20 08
10.03 11 02	for XX.12 12 08 - XX.31 60 18, XX.14 01 00 - XX.14 03 00

Mounting plate



Order no.	Version
10.01 11 03	for XX.08 11 06, XX.08 11 08
10.01 11 05	for XX.08 16 06, XX.08 16 08
10.01 11 07	for XX.08 19 06, XX.08 19 08
10.01 10 07	for XX.12 12 08, XX.12 12 09
10.01 10 08	for XX.12 22 08, XX.12 22 09
10.01 10 11	for XX.16 26 09
10.01 10 12	for XX.16 36 09
10.01 11 15	for XX.25 26 12, XX.25 26 16
10.01 11 16	for XX.25 40 12, XX.25 40 16
10.01 11 17	for XX.25 60 12

Polyester Ex enclosures for mining industry

Technical details



Order no. **48.08 11 06** Product type **ExM 48010** Dimensions H x W x D (mm) **75 x 110 x 56**

	1,5	2,5	4	6	10	16	25	35	50	70	95
	13	13									
	1	1									
 x A	6										
	10	28									
	16	9	18								
	20	4	11								
	25		5								
	35										
	50										
	63										
	80										
	100										
	125										
	160										
	200										
	225										
	250										
	315										
	400										
	500										

Maximum number of cable glands



M	Side	
	A/B	C/D
12	6	3
16	3	1
20	2	1
25	1	
32		
40		
50		
63		
75		
85		

DIN rail TS 15
Length (mm) 98
max. fitting length (mm) 68,5



Order no. **48.08 16 06** Product type **ExM 48015** Dimensions H x W x D (mm) **75 x 160 x 56**

	1,5	2,5	4	6	10	16	25	35	50	70	95
	23	23									
	1	1									
 x A	6										
	10	28									
	16	9	19								
	20	4	11								
	25		5								
	35										
	50										
	63										
	80										
	100										
	125										
	160										
	200										
	225										
	250										
	315										
	400										
	500										

Maximum number of cable glands



M	Side	
	A/B	C/D
12	12	3
16	5	1
20	4	1
25	3	
32		
40		
50		
63		
75		
85		

DIN rail TS 15
Length (mm) 148
max. fitting length (mm) 118,5



Polyester Ex enclosures for mining industry

Technical details



Order no.	Product type	Dimensions H x W x D (mm)
48.08 19 06	ExM 48020	75 x 190 x 56

	1,5	2,5	4	6	10	16	25	35	50	70	95
	28	28									
	1	1									
	6										
	10	28									
	16	9	19								
	20	4	11								
	25		5								
	35										
	50										
	63										
	80										
	100										
	125										
	160										
	200										
	225										
	250										
	315										
	400										
	500										

Maximum number of cable glands		
M	Side	
	A/B	C/D
12	16	4
16	7	1
20	5	1
25	4	1
32		
40		
50		
63		
75		
85		

DIN rail	TS 15
Length (mm)	174
max. fitting length (mm)	148,5



Order no.	Product type	Dimensions H x W x D (mm)
48.12 12 09	ExM 48025	120 x 122 x 91

	1,5	2,5	4	6	10	16	25	35	50	70	95
	19	15	13	10	8	6					
	1	1	1	1	1	1					
	6										
	10	43									
	16	14	28	111							
	20	6	16	32							
	25		8	18	35						
	35			5	13	34					
	50				2	11	28				
	63					3	13				
	80						5				
	100										
	125										
	160										
	200										
	225										
	250										
	315										
	400										
	500										

Maximum number of cable glands		
M	Side	
	A/B	C/D
12	12	12
16	5	5
20	4	4
25	2	2
32	1	1
40	1	1
50		
63		
75		
85		

DIN rail	TS 35
Length (mm)	107
max. fitting length (mm)	65

Polyester Ex enclosures for mining industry

Technical details



Order no.	Product type	Dimensions H x W x D (mm)
48.12 22 09	ExM 48030	120 x 220 x 91

Maximum number of cable glands



	1,5	2,5	4	6	10	16	25	35	50	70	95
	42	34	29	21	17	14					
	1	1	1	1	1	1					
	6										
	10	46									
	16	15	30	119							
	20	6	18	34							
	25		8	19	37						
	35			5	14	36					
	50				2	12	30				
	63					4	14				
	80						5				
	100										
	125										
	160										
	200										
	225										
	250										
	315										
	400										
	500										

M	Side	
	A/B	C/D
12	32	12
16	14	5
20	12	4
25	6	2
32	3	1
40	2	1
50		
63		
75		
85		

DIN rail	TS 35
Length (mm)	205
max. fitting length (mm)	166,5



Order no.	Product type	Dimensions H x W x D (mm)
48.16 16 09	ExM 48035	160 x 160 x 91

Maximum number of cable glands



	1,5	2,5	4	6	10	16	25	35	50	70	95
	28	23	19	14	11	9	7	7			
	1	1	1	1	1	1	1	1			
	6										
	10	48									
	16	16	32	125							
	20	7	19	36							
	25		9	20	39						
	35			6	15	38					
	50				2	12	32				
	63					4	14	52			
	80						5	16	59		
	100							7	15		
	125								6		
	160										
	200										
	225										
	250										
	315										
	400										
	500										

M	Side	
	A/B	C/D
12	26	18
16	14	8
20	9	6
25	6	3
32	3	2
40	2	1
50	2	1
63		
75		
85		

DIN rail	TS 35
Length (mm)	144
max. fitting length (mm)	105



Polyester Ex enclosures for mining industry

Technical details



Order no.	Product type	Dimensions H x W x D (mm)
48.16 26 09	ExM 48040	160 x 260 x 91

	1,5	2,5	4	6	10	16	25	35	50	70	95
	52	42	35	26	21	18	14	14			
	1	1	1	1	1	1	1	1			
 A	6										
	10	52									
	16	18	35	136							
	20	7	20	39							
	25		9	22	43						
	35			6	16	41					
	50				2	13	34				
	63					4	16	57			
	80						6	17	64		
	100							7	16		
	125								6		
	160										
	200										
	225										
	250										
	315										
	400										
	500										

Maximum number of cable glands



M	Side	
	A/B	C/D
12	50	16
16	26	8
20	17	6
25	11	3
32	5	2
40	3	1
50	3	
63		
75		
85		

DIN rail	TS 35
Length (mm)	245
max. fitting length (mm)	205



Order no.	Product type	Dimensions H x W x D (mm)
48.16 36 09	ExM 48045	160 x 360 x 91

	1,5	2,5	4	6	10	16	25	35	50	70	95
	76	61	51	39	31	26	21	21			
	1	1	1	1	1	1	1	1			
 A	6										
	10	53									
	16	18	35	138							
	20	7	20	40							
	25		9	22	43						
	35			6	17	42					
	50				2	14	35				
	63					4	16	58			
	80						6	18	65		
	100							7	17		
	125								7		
	160										
	200										
	225										
	250										
	315										
	400										
	500										

Maximum number of cable glands



M	Side	
	A/B	C/D
12	72	18
16	38	8
20	26	6
25	16	3
32	7	2
40	5	1
50	4	1
63		
75		
85		

DIN rail	TS 35
Length (mm)	343
max. fitting length (mm)	302

Polyester Ex enclosures for mining industry

Technical details



Order no.	Product type	Dimensions H x W x D (mm)
48.25 26 12	ExM 48050	250 x 255 x 121

Maximum number of cable glands



	1,5	2,5	4	6	10	16	25	35	50	70	95
	102	82	68	52	21	17	14	14	10		
	2	2	2	2	1	1	1	1	1		
	6										
	10	70									
	16	24	47	182							
	20	10	27	52							
	25		13	30	57						
	35			8	22	56					
	50				3	18	46				
	63					6	21	76			
	80						8	24	85		
	100							10	22		
	125								9	22	
	160									7	
	200										
	225										
	250										
	315										
	400										
	500										

DIN rail	TS 35
Length (mm)	238
max. fitting length (mm)	197



Order no.	Product type	Dimensions H x W x D (mm)
48.25 40 12	ExM 48055	250 x 400 x 121

Maximum number of cable glands



	1,5	2,5	4	6	10	16	25	35	50	70	95
	170	138	116	86	35	29	23	23	18		
	2	2	2	2	1	1	1	1	1		
	6										
	10	76									
	16	26	50	197							
	20	10	29	57							
	25		14	32	62						
	35			9	24	60					
	50				3	19	50				
	63					6	23	82			
	80						9	26	92		
	100							11	24		
	125								9	24	
	160									8	
	200										
	225										
	250										
	315										
	400										
	500										

DIN rail	TS 35
Length (mm)	381
max. fitting length (mm)	342



Polyester Ex enclosures for mining industry

Technical details



Order no. 48.25 60 12 Product type ExM 48060 Dimensions H x W x D (mm) 250 x 600 x 121

		1,5	2,5	4	6	10	16	25	35	50	70	95
		266	214	180	136	54	45	36	36	28		
N		2	2	2	2	1	1	1	1	1		
x A	6											
	10	78										
	16	27	52	202								
	20	11	30	58								
	25		14	33	64							
	35			9	25	62						
	50				3	20	51					
	63					6	24	85				
	80						9	26	95			
	100							11	25			
	125								10	25		
	160									8		
	200											
	225											
	250											
	315											
	400											
	500											

Maximum number of cable glands



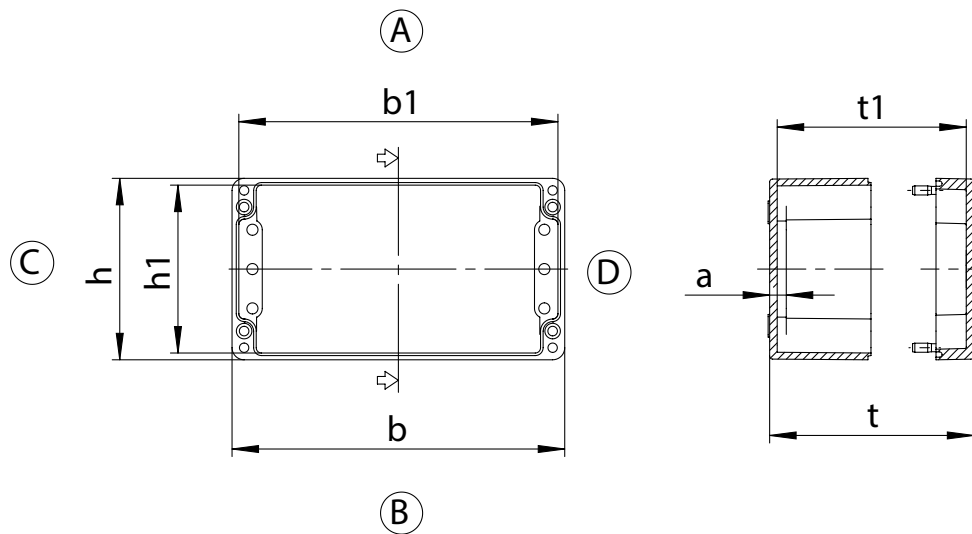
M	Side	
	A/B	C/D
12	108	50
16	52	24
20	36	18
25	30	10
32	12	7
40	6	3
50	4	3
63	4	2
75		
85		

DIN rail	TS 35
Length (mm)	581
max. fitting length (mm)	542

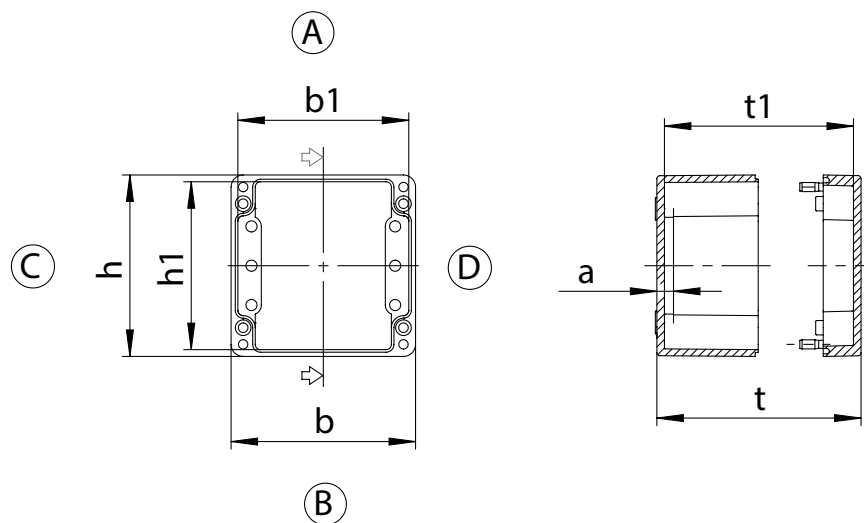
Polyester Ex enclosures for mining industry

Technical details

Order no.	b	h	t	b1	h1	t1	a
48.08 11 06	110	75	56,5	101	65	46	10,5
48.08 16 06	160	75	56,5	151	65	46	10,5
48.08 19 06	190	75	56,5	181	65	46	10,5
48.12 22 09	220	120	91	211	111	80	11
48.16 26 09	260	160	91	248	148	79	11,5
48.16 36 09	360	160	91	348	148	79	11,5
48.25 26 12	255	250	121	243	238	109	11,5
48.25 40 12	400	250	121	388	238	109	11,5
48.25 60 12	600	250	121	588	238	109	11,5

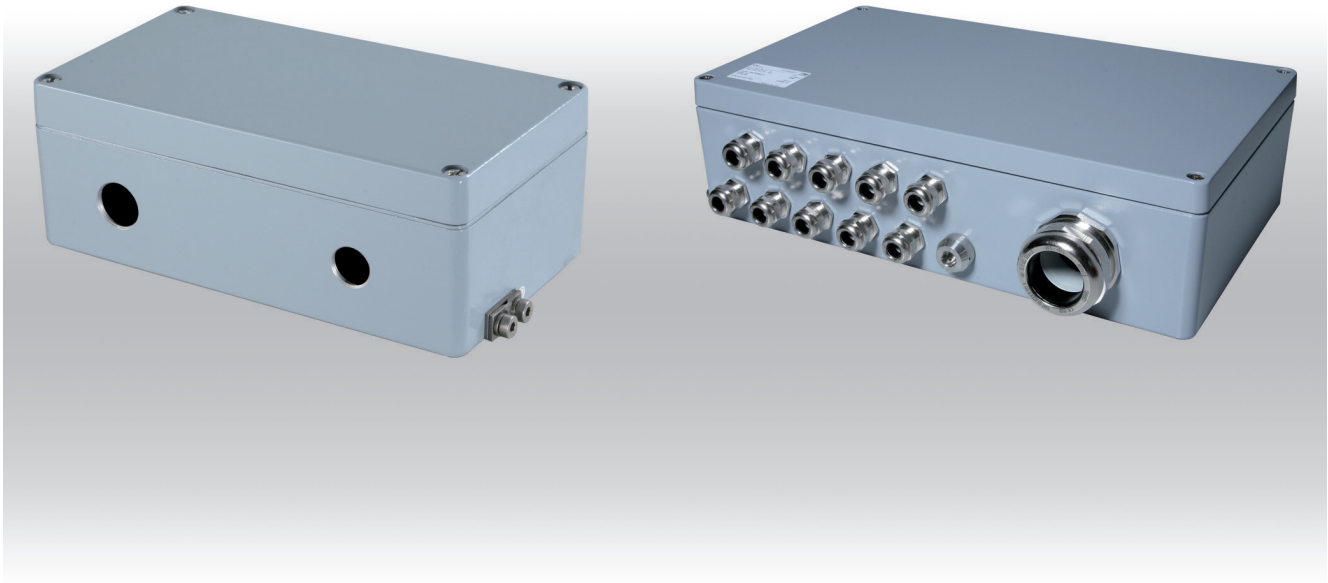


Order no.	b	h	t	b1	h1	t1	a
48.12 12 09	122	120	91	113	111	80	11
48.16 16 09	160	160	91	148	148	79	11,5



For detailed drawings visit www.rose-pw.de





- + Enclosure systems of diecast aluminium usable in all Ex-areas
- + Empty enclosures with U-approval for individual fittings or Ex eb / Ex ia junction box
- + Optional version with window
- + Temperature classes T6 / T5 / T4

Included in delivery

Empty enclosure: Enclosure with silicone seal and external earth connection.

Junction box: Enclosure system - depending on version either with silicone seal, external earthing, DIN rails, internal earthing connection, terminals, manufacturing, cable glands

Technical datas

Explosion protection	II 2G Ex eb IIC T6/T5/T4 Gb II 2G Ex ia IIC T6/T5/T4 Gb II 2G Ex db eb ia [ia] mb IIC T6/T5/T4 Gb II 3 G Ex eb db mb ia [ia Ga] nA nC [op is] IIC T6, T5, T4 Gc II 2D Ex tb IIIC T85°C/T100°C/T135°C Db IP66
Certificates	PTB 00 ATEX 1063 IECEX PTB 08.0006 EAC RU C-DE.AA87.B.00637
Material	DIN EN 1706 EN AC-AISI 12 (Fe)
Colour	Powder coating, RAL 7001, silver grey
Ingress protection	IP66 to EN 60529
Impact resistance	7 Joule to EN 60079-0
Temperature range	-55 °C to +135 °C
Other execution on request	EMC, SBG, SBGL, SWB

Aluminium Ex

Product overview

Ex e		Ex Empty		Ex i		Dimensions H x W x D (mm)	Weight (g)
Order no.	Product type	Order no.	Product type	Order no.	Product type		
05.06 06 03	AExe 05010	25.06 06 03	AExB 25010	15.06 06 03	AExi 15010	64 x 58 x 34	160
05.06 10 03	AExe 05015	25.06 10 03	AExB 25015	15.06 10 03	AExi 15015	64 x 98 x 34	220
05.06 15 03	AExe 05020	25.06 15 03	AExB 25020	15.06 15 03	AExi 15020	64 x 150 x 34	360
05.08 08 06	AExe 05025	25.08 08 06	AExB 25025	15.08 08 06	AExi 15025	80 x 75 x 57	300
05.08 13 06	AExe 05030	25.08 13 06	AExB 25030	15.08 13 06	AExi 15030	80 x 125 x 57	375
05.08 18 06	AExe 05035	25.08 18 06	AExB 25035	15.08 18 06	AExi 15035	80 x 175 x 57	550
05.08 25 05	AExe 05040	25.08 25 05	AExB 25040	15.08 25 05	AExi 15040	80 x 250 x 52	730
05.10 10 08	AExe 05045	25.10 10 08	AExB 25045	15.10 10 08	AExi 15045	100 x 100 x 81	620
05.10 16 08	AExe 05050	25.10 16 08	AExB 25050	15.10 16 08	AExi 15050	100 x 160 x 81	820
05.10 20 08	AExe 05055	25.10 20 08	AExB 25055	15.10 20 08	AExi 15055	100 x 200 x 81	970
05.12 12 08	AExe 05060	25.12 12 08	AExe 05010	15.12 12 08	AExi 15060	120 x 122 x 81	940
05.12 12 09	AExe 05065	25.12 12 09	AExe 05015	15.12 12 09	AExi 15065	120 x 122 x 91	960
05.12 22 08	AExe 05070	25.12 22 08	AExe 05020	15.12 22 08	AExi 15070	120 x 220 x 81	1410
05.12 22 09	AExe 05075	25.12 22 09	AExe 05025	15.12 22 09	AExi 15075	120 x 220 x 91	1430
05.12 36 08	AExe 05080	25.12 36 08	AExe 05030	15.12 36 08	AExi 15080	120 x 360 x 81	1970
05.14 14 09	AExe 05085	25.14 14 09	AExe 05035	15.14 14 09	AExi 15085	140 x 140 x 91	1520
05.14 20 09	AExe 05090	25.14 20 09	AExe 05040	15.14 20 09	AExi 15090	140 x 200 x 91	2270
05.16 16 09	AExe 05095	25.16 16 09	AExe 05045	15.16 16 09	AExi 15095	160 x 160 x 91	1500
05.16 26 09	AExe 05100	25.16 26 09	AExe 05050	15.16 26 09	AExi 15100	160 x 260 x 91	2030
05.16 36 09	AExe 05105	25.16 36 09	AExe 05055	15.16 36 09	AExi 15105	160 x 360 x 91	2540
05.16 56 09	AExe 05110	25.16 56 09	AExe 05060	15.16 56 09	AExi 15110	160 x 560 x 91	3760
05.18 18 10	AExe 05115	25.18 18 10	AExe 05065	15.18 18 10	AExi 15115	180 x 180 x 101	2270
05.18 28 10	AExe 05120	25.18 28 10	AExe 05070	15.23 10 11	AExi 15120	180 x 280 x 101	2920
05.23 10 11	AExe 05125	25.23 10 11	AExe 05075	15.18 28 10	AExi 15125	230 x 100 x 111	1800
05.23 20 11	AExe 05130	25.23 20 11	AExe 05080	15.23 20 11	AExi 15130	232 x 202 x 111	2440
05.23 20 18	AExe 05135	25.23 20 18	AExe 05085	15.23 20 18	AExi 15135	232 x 202 x 181	3980
05.23 28 11	AExe 05140	25.23 28 11	AExe 05090	15.23 28 11	AExi 15140	230 x 280 x 111	2990
05.23 33 11	AExe 05145	25.23 33 11	AExe 05095	15.23 33 11	AExi 15145	230 x 330 x 111	3390
05.23 33 18	AExe 05150	25.23 33 18	AExe 05100	15.23 33 18	AExi 15150	230 x 330 x 181	5260
05.23 40 11	AExe 05155	25.23 40 11	AExe 05105	15.23 40 11	AExi 15155	230 x 400 x 111	3840
05.23 40 23	AExe 05160	25.23 40 23	AExe 05110	15.23 40 23	AExi 15160	230 x 400 x 225	6840
05.23 60 11	AExe 05165	25.23 60 11	AExe 05115	15.23 60 11	AExi 15165	230 x 600 x 111	6950
05.31 40 11	AExe 05170	25.31 40 11	AExe 05120	15.31 40 11	AExi 15170	313 x 404 x 111	5300
05.31 40 14	AExe 05175	25.31 40 14	AExe 05125	15.31 40 14	AExi 15175	312 x 403 x 141	6720
05.31 40 18	AExe 05180	25.31 40 18	AExe 05130	15.31 40 18	AExi 15180	313 x 404 x 181	8480
05.31 40 23	AExe 05185	25.31 40 23	AExe 05135	15.31 40 23	AExi 15185	313 x 404 x 227	8680
05.31 60 11	AExe 05190	25.31 60 11	AExe 05140	15.31 60 11	AExi 15190	310 x 600 x 111	8660
05.31 60 18	AExe 05195	25.31 60 18	AExe 05145	15.31 60 18	AExi 15195	310 x 600 x 181	11100
05.60 60 20	AExe 05200	25.60 60 20	AExe 05150	15.60 60 20	AExi 15200	600 x 600 x 202	25960



Terminal mounting

[illegible]

Other suppliers on request

Aluminium Ex

Accessories

Order no.	DIN rails	External mounting brackets	Mounting plate
XX.06 06 03			
XX.06 10 03	•		
XX.06 15 03	•		
XX.08 08 06	•	•	•
XX.08 13 06	•	•	•
XX.08 18 06	•	•	•
XX.08 25 05	•	•	
XX.10 10 08	•	•	•
XX.10 16 08	•	•	•
XX.10 20 08	•	•	•
XX.12 12 08	•	•	•
XX.12 12 09	•	•	•
XX.12 22 08	•	•	•
XX.12 22 09	•	•	•
XX.12 36 08	•	•	•
XX.14 14 09	•	•	•
XX.14 20 09	•	•	•
XX.16 16 09	•	•	•
XX.16 26 09	•	•	•
XX.16 36 09	•	•	•
XX.16 56 09	•	•	•
XX.18 18 10	•	•	•
XX.18 28 10	•	•	•
XX.23 10 11	•	•	•
XX.23 20 11	•	•	•
XX.23 20 18	•	•	•
XX.23 28 11	•	•	•
XX.23 33 11	•	•	•
XX.23 33 18	•	•	•
XX.23 40 11	•	•	•
XX.23 40 23	•	•	•
XX.23 60 11	•	•	•
XX.31 40 11	•	•	•
XX.31 40 14	•	•	•
XX.31 40 18	•	•	•
XX.31 40 23	•	•	•
XX.31 60 11	•	•	•
XX.31 60 18	•	•	•
XX.60 60 20	•		•



Aluminium Ex

Accessories

Allen lid screws



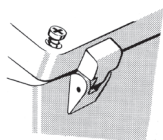
Order no.	Version
12.01 80 02	for XX.06 06 03 up to XX.10 20 08
12.01 80 04	for XX.12 12 08 up to XX.31 40 23

DIN rails



Order no.	Version
10.06 10 07	TS 15 for XX.06 10 03
10.06 10 02	TS 15 for XX.06 15 03
10.06 10 03	TS 15 for XX.08 08 06
10.06 10 04	TS 15 for XX.08 13 06
10.06 10 05	TS 15 for XX.08 18 06
10.06 10 06	TS 15 for XX.08 25 05
10.06 10 08	TS 15 for XX.10 16 08
10.06 10 09	TS 15 for XX.10 20 08
10.06 14 21	TS 35/7.5 for XX.12 12 08, XX.12 12 09
10.06 14 22	TS 35/7.5 for XX.12 22 08, XX.12 22 09, XX.12 22 12
10.06 14 25	TS 35/7.5 for XX.12 36 08
10.06 14 54	TS 35/7.5 for XX.14 14 09
10.06 14 55	TS 35/7.5 for XX.14 20 09
10.06 14 23	TS 35/7.5 for XX.16 16 09
10.06 14 24	TS 35/7.5 for XX.16 26 09, XX.16 26 16
10.06 14 26	TS 35/7.5 for XX.16 56 09
10.06 14 56	TS 35/7.5 for XX.18 18 10
10.06 14 57	TS 35/7.5 for XX.18 28 10
10.06 14 29	TS 35/7.5 for XX.23 10 11
10.06 14 30	TS 35/7.5 for XX.23 20 11, XX.23 20 18
10.06 14 31	TS 35/7.5 for XX.23 28 11
10.06 14 32	TS 35/7.5 for XX.23 33 11, XX.23 33 18
10.06 14 27	TS 35/7.5 for XX.23 40 11, XX.23 40 23, XX.31 40 11, XX.31 40 14, XX.31 40 18, XX.31 40 23
10.06 14 28	TS 35/7.5 for XX.23 60 11, XX.31 60 11, XX.31 60 18
10.06 14 33	TS 35/7.5 for XX.60 60 20

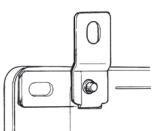
External hinges



Swivelling range 150°,
set = 2 pcs

Order no.
10.02 70 01

External mounting brackets



set = 4 pcs

Order no.	Version
10.03 11 01	for XX.08 08 06 - XX.10 20 08
10.03 11 02	for XX.12 12 08 - XX.31 60 18, XX.14 01 00 - XX.14 03 00

Aluminium Ex

Accessories

Internal hinges

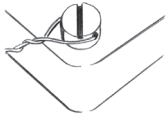


swivelling range 95°,
set = 2 pcs

Order no.

10.02 20 01

Lead-sealing screw



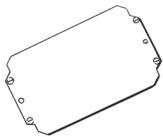
Order no.

12.01 90 01

Version

for XX.05 05 03 - XX.10 20 08

Mounting plate



Order no.

10.01 10 01

Version

for XX.08 08 06

10.01 10 03

for XX.08 13 06

10.01 10 05

for XX.08 18 06

10.01 10 24

for XX.10 10 08

10.01 10 25

for XX.10 16 08

10.01 10 26

for XX.10 20 08

10.01 10 07

for XX.12 12 08, XX.12 12 09

10.01 10 08

for XX.12 22 08, XX.12 22 09

10.01 10 09

for XX.12 36 08

10.01 10 27

for XX.14 14 09

10.01 10 28

for XX.14 20 09

10.01 10 10

for XX.16 16 09

10.01 10 11

for XX.16 26 09

10.01 10 12

for XX.16 36 09

10.01 10 13

for XX.16 56 09

10.01 10 29

for XX.18 18 10

10.01 10 30

for XX.18 28 10

10.01 10 14

for XX.23 10 11

10.01 10 15

for XX.23 20 11, XX.23 20 18

10.01 10 16

for XX.23 28 11

10.01 10 17

for XX.23 33 11, XX.23 33 18

10.01 10 18

for XX.23 40 11, XX.23 40 23

10.01 10 19

for XX.23 60 11

10.01 10 20

for XX.31 40 11, XX.31 40 14, XX.31 40 18, XX.31 40 23

10.01 10 21

for XX.31 60 11, XX.31 60 18

10.01 10 22

for XX.60 60 20

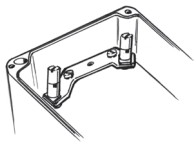
Accessories

PE bar



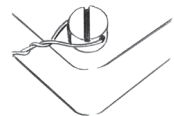
Order no.	Version
12.05 42 16	for XX.14 14 09
12.05 42 17	for XX.14 20 09, XX.23 20 11, XX.23 20 18
12.05 42 18	for XX.16 16 09
12.05 42 19	for XX.16 26 09
12.05 42 20	for XX.16 36 09
12.05 42 21	for XX.16 56 09
12.05 42 22	for XX.18 18 10
12.05 42 23	for XX.18 28 10, XX.23 28 11
12.05 42 24	for XX.23 10 11
12.05 42 28	for XX.23 33 11, XX.23 33 18
12.05 42 30	for XX.23 40 11, XX.23 40 23, XX.31 40 11, XX.31 40 14, XX.31 40 18, XX.31 40 23
12.05 42 32	for XX.23 60 11, XX.31 60 11, XX.31 60 18

PE busbar



Order no.	Version
12.05 30 01	for XX.08 08 06 up to XX.08 18 06
12.05 30 02	for XX.12 12 08 up to XX.12 36 08

sealable screw



Order no.	Version
12.01 90 02	for XX.12 12 08 - XX.31 60 18

Aluminium Ex

Technical details



Order no.	Product type	Dimensions H x W x D (mm)
05.06 06 03	AExe 05010	64 x 58 x 34
15.06 06 03	AExi 15010	64 x 58 x 34
25.06 06 03	AExB 25010	64 x 58 x 34

	1,5	2,5	4	6	10	16	25	35	50	70	95
	3	3									
	6										
	10	18									
	16	6	12								
	20	2	7								
	25		3								
	35										
	50										
	63										
	80										
	100										
	125										
	160										
	200										
	225										
	250										
	315										
	400										
	500										

Maximum number of cable glands



M	Side	
	A/B	C/D
12	2	1
16		
20		
25		
32		
40		
50		
63		
75		
85		



Order no.	Product type	Dimensions H x W x D (mm)
05.06 10 03	AExe 05015	64 x 98 x 34
15.06 10 03	AExi 15015	64 x 98 x 34
25.06 10 03	AExB 25015	64 x 98 x 34

	1,5	2,5	4	6	10	16	25	35	50	70	95
	6	6									
	1	1									
	6										
	10	20									
	16	7	13								
	20	2	7								
	25		3								
	35										
	50										
	63										
	80										
	100										
	125										
	160										
	200										
	225										
	250										
	315										
	400										
	500										

Maximum number of cable glands



M	Side	
	A/B	C/D
12	4	1
16		
20		
25		
32		
40		
50		
63		
75		
85		

DIN rail	TS 15
Length (mm)	87,5
External earth (mm²)	2,5



Technical details



Order no.	Product type	Dimensions H x W x D (mm)
05.06 15 03	AExe 05020	64 x 150 x 34
15.06 15 03	AExi 15020	64 x 150 x 34
25.06 15 03	AExB 25020	64 x 150 x 34

		1,5	2,5	4	6	10	16	25	35	50	70	95
		10	10									
	N	1	1									
	6											
	10	20										
	16	7	13									
	20	3	8									
	25		3									
	35											
	50											
	63											
	80											
	100											
	125											
	160											
	200											
	225											
	250											
	315											
	400											
	500											

Maximum number of cable glands



M	Side	
	A/B	C/D
12	8	1
16		
20		
25		
32		
40		
50		
63		
75		
85		

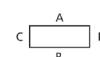
DIN rail	TS 15
Length (mm)	139
External earth (mm²)	2,5



Order no.	Product type	Dimensions H x W x D (mm)
05.08 08 06	AExe 05025	80 x 75 x 57
15.08 08 06	AExi 15025	80 x 75 x 57
25.08 08 06	AExB 25025	80 x 75 x 57

		1,5	2,5	4	6	10	16	25	35	50	70	95
		6	6	5								
	N	1	1	1								
	6											
	10	27										
	16	9	18	70								
	20	3	10	20								
	25		5	11								
	35			3								
	50											
	63											
	80											
	100											
	125											
	160											
	200											
	225											
	250											
	315											
	400											
	500											

Maximum number of cable glands



M	Side	
	A/B	C/D
12	3	5
16	1	2
20	1	2
25	1	1
32		
40		
50		
63		
75		
85		

DIN rail	TS 15
Length (mm)	63
max. fitting length (mm)	46
External earth (mm²)	4

Aluminium Ex

Technical details



Order no.	Product type	Dimensions H x W x D (mm)
05.08 13 06	AExe 05030	80 x 125 x 57
15.08 13 06	AExi 15030	80 x 125 x 57
25.08 13 06	AExB 25030	80 x 125 x 57

Maximum number of cable glands



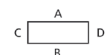
	1,5	2,5	4	6	10	16	25	35	50	70	95
	12	12	9								
	1	1	1								
	6										
	10	29									
	16	10	19	76							
	20	4	11	22							
	25		5	12							
	35			3							
	50										
	63										
	80										
	100										
	125										
	160										
	200										
	225										
	250										
	315										
	400										
	500										

DIN rail	TS 15
Length (mm)	113
max. fitting length (mm)	85,5
External earth (mm ²)	4



Order no.	Product type	Dimensions H x W x D (mm)
05.08 18 06	AExe 05035	80 x 175 x 57
15.08 18 06	AExi 15035	80 x 175 x 57
25.08 18 06	AExB 25035	80 x 175 x 57

Maximum number of cable glands



	1,5	2,5	4	6	10	16	25	35	50	70	95
	25	25	21								
	1	1	1								
	6										
	10	29									
	16	10	19	77							
	20	4	11	22							
	25		5	12							
	35			3							
	50										
	63										
	80										
	100										
	125										
	160										
	200										
	225										
	250										
	315										
	400										
	500										

DIN rail	TS 15
Length (mm)	163
max. fitting length (mm)	135,5
External earth (mm ²)	4



Technical details



Order no.	Product type	Dimensions H x W x D (mm)
05.08 25 05	AExe 05040	80 x 250 x 52
15.08 25 05	AExi 15040	80 x 250 x 52
25.08 25 05	AExB 25040	80 x 250 x 52

		1,5	2,5	4	6	10	16	25	35	50	70	95
		40	40	33								
	N	1	1	1								
x A	6											
	10	28										
	16	9	19	73								
	20	4	11	21								
	25		5	12								
	35			3								
	50											
	63											
	80											
	100											
	125											
	160											
	200											
	225											
	250											
	315											
	400											
	500											

Maximum number of cable glands



M	Side	
	A/B	C/D
12	23	6
16	9	2
20	8	2
25	5	1
32		
40		
50		
63		
75		
85		

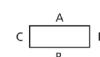
DIN rail	TS 15
Length (mm)	238
max. fitting length (mm)	209,5
External earth (mm²)	4



Order no.	Product type	Dimensions H x W x D (mm)
05.10 10 08	AExe 05045	100 x 100 x 81
15.10 10 08	AExi 15045	100 x 100 x 81
25.10 10 08	AExB 25045	100 x 100 x 81

		1,5	2,5	4	6	10	16	25	35	50	70	95
		14	11	9	7							
	N	1	1	1	1							
x A	6											
	10	37										
	16	12	24	95								
	20	5	14	27								
	25		6	15	30							
	35			4	11							
	50											
	63											
	80											
	100											
	125											
	160											
	200											
	225											
	250											
	315											
	400											
	500											

Maximum number of cable glands



M	Side	
	A/B	C/D
12	12	9
16	6	4
20	5	3
25	2	1
32	1	1
40		
50		
63		
75		
85		

DIN rail	TS 15/35
Length (mm)	87,5
max. fitting length (mm)	59,5
External earth (mm²)	6

Aluminium Ex

Technical details



Order no.	Product type	Dimensions H x W x D (mm)
05.10 16 08	AExe 05050	100 x 160 x 81
15.10 16 08	AExi 15050	100 x 160 x 81
25.10 16 08	AExB 25050	100 x 160 x 81

	1,5	2,5	4	6	10	16	25	35	50	70	95
	28	23	19	14							
	1	1	1	1							
 x A	6										
	10	39									
	16	13	26	101							
	20	5	15	29							
	25		7	16	32						
	35			4	12						
	50										
	63										
	80										
	100										
	125										
	160										
	200										
	225										
	250										
	315										
	400										
	500										

Maximum number of cable glands



M	Side	
	A/B	C/D
12	24	9
16	11	4
20	10	3
25	4	1
32	3	1
40		
50		
63		
75		
85		

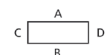
DIN rail	TS 15/35
Length (mm)	148
max. fitting length (mm)	120
External earth (mm²)	6



Order no.	Product type	Dimensions H x W x D (mm)
05.10 20 08	AExe 05055	100 x 200 x 81
15.10 20 08	AExi 15055	100 x 200 x 81
25.10 20 08	AExB 25055	100 x 200 x 81

	1,5	2,5	4	6	10	16	25	35	50	70	95
	38	30	25	19							
	1	1	1	1							
 x A	6										
	10	39									
	16	13	26	102							
	20	5	15	29							
	25		7	16	32						
	35			5	12						
	50										
	63										
	80										
	100										
	125										
	160										
	200										
	225										
	250										
	315										
	400										
	500										

Maximum number of cable glands



M	Side	
	A/B	C/D
12	32	9
16	14	4
20	12	3
25	5	1
32	3	1
40		
50		
63		
75		
85		

DIN rail	TS 15/35
Length (mm)	188
max. fitting length (mm)	160
External earth (mm²)	6



Technical details



Order no.	Product type	Dimensions H x W x D (mm)
05.12 12 08	AExe 05060	120 x 122 x 81
15.12 12 08	AExi 15060	120 x 122 x 81
25.12 12 08	AExe 05010	120 x 122 x 81

		1,5	2,5	4	6	10	16	25	35	50	70	95
		19	15	13	10	8	6					
	N	1	1	1	1	1	1					
x A	6											
	10	40										
	16	13	26	103								
	20	5	15	30								
	25		7	17	32							
	35			5	12	31						
	50					10	26					
	63					3	12					
	80						4					
	100											
	125											
	160											
	200											
	225											
	250											
	315											
	400											
	500											

Maximum number of cable glands



M	Side	
	A/B	C/D
12	10	11
16	5	5
20	4	4
25	2	2
32	1	1
40		
50		
63		
75		
85		

DIN rail	TS 35
Length (mm)	107
max. fitting length (mm)	65
External earth (mm²)	16



Order no.	Product type	Dimensions H x W x D (mm)
05.12 12 09	AExe 05065	120 x 122 x 91
15.12 12 09	AExi 15065	120 x 122 x 91
25.12 12 09	AExe 05015	120 x 122 x 91

		1,5	2,5	4	6	10	16	25	35	50	70	95
		19	15	13	10	8	6					
	N	1	1	1	1	1	1					
x A	6											
	10	43										
	16	14	28	110								
	20	6	16	32								
	25		7	18	35							
	35			5	13	34						
	50				2	11	28					
	63					3	13					
	80						5					
	100											
	125											
	160											
	200											
	225											
	250											
	315											
	400											
	500											

Maximum number of cable glands



M	Side	
	A/B	C/D
12	10	11
16	5	5
20	4	4
25	2	2
32	1	1
40		
50		
63		
75		
85		

DIN rail	TS 35
Length (mm)	107
max. fitting length (mm)	65
External earth (mm²)	16

Aluminium Ex

Technical details



Order no.	Product type	Dimensions H x W x D (mm)
05.12 22 08	AExe 05070	120 x 220 x 81
15.12 22 08	AExi 15070	120 x 220 x 81
25.12 22 08	AExe 05020	120 x 220 x 81

Maximum number of cable glands



	1,5	2,5	4	6	10	16	25	35	50	70	95
	42	34	29	21	17	14					
	1	1	1	1	1	1					
 x A	6										
	10	42									
	16	14	28	111							
	20	6	16	32							
	25		8	18	35						
	35			5	13	34					
	50				2	11	28				
	63					3	13				
	80						5				
	100										
	125										
	160										
	200										
	225										
	250										
	315										
	400										
	500										

DIN rail	TS 35
Length (mm)	205
max. fitting length (mm)	164,5
External earth (mm ²)	16



Order no.	Product type	Dimensions H x W x D (mm)
05.12 22 09	AExe 05075	120 x 220 x 91
15.12 22 09	AExi 15075	120 x 220 x 91
25.12 22 09	AExe 05025	120 x 220 x 91

Maximum number of cable glands



	1,5	2,5	4	6	10	16	25	35	50	70	95
	42	34	29	21	17	14					
	1	1	1	1	1	1					
 x A	6										
	10	45									
	16	15	30	118							
	20	6	17	34							
	25		8	19	37						
	35			5	14	36					
	50				2	11	30				
	63					4	14				
	80						5				
	100										
	125										
	160										
	200										
	225										
	250										
	315										
	400										
	500										

DIN rail	TS 35
Length (mm)	205
max. fitting length (mm)	164,5
External earth (mm ²)	16



Technical details



Order no.	Product type	Dimensions H x W x D (mm)
05.12 36 08	AExe 05080	120 x 360 x 81
15.12 36 08	AExi 15080	120 x 360 x 81
25.12 36 08	AExe 05030	120 x 360 x 81

		1,5	2,5	4	6	10	16	25	35	50	70	95
		76	61	51	39	31	26					
	N	1	1	1	1	1	1					
	6											
	10	43										
	16	14	28	112								
	20	6	16	32								
	25		8	18	35							
	35			5	13	34						
	50				2	11	28					
	63					3	13					
	80						5					
	100											
	125											
	160											
	200											
	225											
	250											
	315											
	400											
	500											

Maximum number of cable glands		
M	Side	
	A/B	C/D
12	58	11
16	26	5
20	24	4
25	10	2
32	7	1
40		
50		
63		
75		
85		

DIN rail	TS 35
Length (mm)	343
max. fitting length (mm)	305
External earth (mm²)	16



Order no.	Product type	Dimensions H x W x D (mm)
05.14 14 09	AExe 05085	140 x 140 x 91
15.14 14 09	AExi 15085	140 x 140 x 91
25.14 14 09	AExe 05035	140 x 140 x 91

		1,5	2,5	4	6	10	16	25	35	50	70	95
		23	19	16	12	9	8	6				
	N	1	1	1	1	1	1	1				
	6											
	10	45										
	16	15	30	117								
	20	6	17	34								
	25		8	19	37							
	35			5	14	36						
	50				2	11	30					
	63					4	14	49				
	80						5	15				
	100							6				
	125											
	160											
	200											
	225											
	250											
	315											
	400											
	500											

Maximum number of cable glands		
M	Side	
	A/B	C/D
12	18	12
16	8	6
20	8	4
25	3	2
32	2	1
40		
50		
63		
75		
85		

DIN rail	TS 35
Length (mm)	126
max. fitting length (mm)	86
External earth (mm²)	25

Aluminium Ex

Technical details



Order no.	Product type	Dimensions H x W x D (mm)
05.14 20 09	AExe 05090	140 x 200 x 91
15.14 20 09	AExi 15090	140 x 200 x 91
25.14 20 09	AExe 05040	140 x 200 x 91

	1,5	2,5	4	6	10	16	25	35	50	70	95
	38	30	25	19	15	13	10				
	1	1	1	1	1	1	1				
 x A	6										
	10	48									
	16	16	32	125							
	20	6	18	36							
	25		9	20	39						
	35			6	15	38					
	50				2	12	31				
	63					4	14	52			
	80						5	16			
	100							7			
	125										
	160										
	200										
	225										
	250										
	315										
	400										
	500										

Maximum number of cable glands



M	Side	
	A/B	C/D
12	28	12
16	12	6
20	12	4
25	5	2
32	3	1
40		
50		
63		
75		
85		

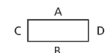
DIN rail	TS 35
Length (mm)	186
max. fitting length (mm)	140
External earth (mm²)	25



Order no.	Product type	Dimensions H x W x D (mm)
05.16 16 09	AExe 05095	160 x 160 x 91
15.16 16 09	AExi 15095	160 x 160 x 91
25.16 16 09	AExe 05045	160 x 160 x 91

	1,5	2,5	4	6	10	16	25	35	50	70	95
	28	23	19	14	11	9	7	7			
	1	1	1	1	1	1	1	1			
 x A	6										
	10	48									
	16	16	32	125							
	20	6	18	36							
	25		9	20	39						
	35			6	15	38					
	50				2	12	31				
	63					4	14	52			
	80						5	16	58		
	100							7	15		
	125								6		
	160										
	200										
	225										
	250										
	315										
	400										
	500										

Maximum number of cable glands



M	Side	
	A/B	C/D
12	26	16
16	12	8
20	9	6
25	5	3
32	3	2
40	2	1
50	2	
63		
75		
85		

DIN rail	TS 35
Length (mm)	144
max. fitting length (mm)	105
External earth (mm²)	16



Technical details



Order no.	Product type	Dimensions H x W x D (mm)
05.16 26 09	AExe 05100	160 x 260 x 91
15.16 26 09	AExi 15100	160 x 260 x 91
25.16 26 09	AExe 05050	160 x 260 x 91

		1,5	2,5	4	6	10	16	25	35	50	70	95
		52	42	35	26	21	18	14	14			
	N	1	1	1	1	1	1	1	1			
	6											
	10	52										
	16	18	34	135								
	20	7	20	39								
	25		9	22	42							
	35			6	16	41						
	50				2	13	34					
	63					4	16	56				
	80						6	17	63			
	100							7	16			
	125								6			
	160											
	200											
	225											
	250											
	315											
	400											
	500											

Maximum number of cable glands		
M	Side	
	A/B	C/D
12	50	16
16	24	8
20	17	6
25	10	3
32	5	2
40	3	1
50	3	
63		
75		
85		

DIN rail	TS 35
Length (mm)	245
max. fitting length (mm)	205
External earth (mm²)	16



Order no.	Product type	Dimensions H x W x D (mm)
05.16 36 09	AExe 05105	160 x 360 x 91
15.16 36 09	AExi 15105	160 x 360 x 91
25.16 36 09	AExe 05055	160 x 360 x 91

		1,5	2,5	4	6	10	16	25	35	50	70	95
		76	61	51	39	31	26	21	21			
	N	1	1	1	1	1	1	1	1			
	6											
	10	53										
	16	18	35	138								
	20	7	20	40								
	25		9	22	43							
	35			6	17	42						
	50				2	13	35					
	63					4	16	58				
	80						6	18	64			
	100							7	17			
	125								6			
	160											
	200											
	225											
	250											
	315											
	400											
	500											

Maximum number of cable glands		
M	Side	
	A/B	C/D
12	72	16
16	36	8
20	24	6
25	15	3
32	7	2
40	5	1
50	4	
63		
75		
85		

DIN rail	TS 35
Length (mm)	343
max. fitting length (mm)	305
External earth (mm²)	16

Aluminium Ex

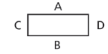
Technical details



Order no.	Product type	Dimensions H x W x D (mm)
05.16 56 09	AExe 05110	160 x 560 x 91
15.16 56 09	AExi 15110	160 x 560 x 91
25.16 56 09	AExe 05060	160 x 560 x 91

	1,5	2,5	4	6	10	16	25	35	50	70	95
	123	100	83	63	50	42	34	34			
	1	1	1	1	1	1	1	1			
 x A	6										
	10	53									
	16	18	35	138							
	20	7	20	40							
	25		9	22	43						
	35			6	17	42					
	50				2	13	35				
	63					4	16	58			
	80						6	18	64		
	100							7	17		
	125								6		
	160										
	200										
	225										
	250										
	315										
	400										
	500										

Maximum number of cable glands



M	Side	
	A/B	C/D
12	104	16
16	58	8
20	40	6
25	24	3
32	12	2
40	8	1
50	6	
63		
75		
85		

DIN rail	TS 35
Length (mm)	543
max. fitting length (mm)	505
External earth (mm ²)	16



Order no.	Product type	Dimensions H x W x D (mm)
05.18 18 10	AExe 05115	180 x 180 x 101
15.18 18 10	AExi 15115	180 x 180 x 101
25.18 18 10	AExe 05065	180 x 180 x 101

	1,5	2,5	4	6	10	16	25	35	50	70	95
	33	26	22	17	13	11	9	9			
	1	1	1	1	1	1	1	1			
 x A	6										
	10	54									
	16	18	36	139							
	20	7	21	40							
	25		10	23	44						
	35			6	17	43					
	50				2	14	35				
	63					4	16	58			
	80						6	18	65		
	100							7	17		
	125								7		
	160										
	200										
	225										
	250										
	315										
	400										
	500										

Maximum number of cable glands



M	Side	
	A/B	C/D
12	30	20
16	15	9
20	11	8
25	6	3
32	3	2
40	2	2
50	2	
63		
75		
85		

DIN rail	TS 35
Length (mm)	166
max. fitting length (mm)	126
External earth (mm ²)	16



Technical details



Order no.	Product type	Dimensions H x W x D (mm)
05.18 28 10	AExe 05120	180 x 280 x 101
15.18 28 10	AExi 15125	230 x 100 x 111
25.18 28 10	AExe 05070	180 x 280 x 101

		1,5	2,5	4	6	10	16	25	35	50	70	95
		57	46	38	29	23	19	15	15			
	N	1	1	1	1	1	1	1	1			
x A	6											
	10	58										
	16	20	38	150								
	20	8	22	43								
	25		10	24	47							
	35			7	18	46						
	50				2	15	38					
	63					5	17	63				
	80						6	19	70			
	100							8	18			
	125								7			
	160											
	200											
	225											
	250											
	315											
	400											
	500											

Maximum number of cable glands



M	Side	
	A/B	C/D
12	52	22
16	26	10
20	18	8
25	11	4
32	5	2
40	4	2
50	3	
63		
75		
85		

DIN rail	TS 35
Length (mm)	264
max. fitting length (mm)	221.5
External earth (mm²)	16



Order no.	Product type	Dimensions H x W x D (mm)
05.23 10 11	AExe 05125	230 x 100 x 111
15.23 10 11	AExi 15120	180 x 280 x 101
25.23 10 11	AExe 05075	230 x 100 x 111

		1,5	2,5	4	6	10	16	25	35	50	70	95
		45	36	30	23							
	N	1	1	1	1							
x A	6											
	10	47										
	16	16	31	123								
	20	6	18	35								
	25		8	20	39							
	35			6	15							
	50				2							
	63											
	80											
	100											
	125											
	160											
	200											
	225											
	250											
	315											
	400											
	500											

Maximum number of cable glands



M	Side	
	A/B	C/D
12	15	45
16	8	18
20	6	17
25	3	8
32	2	5
40	1	3
50	1	2
63		2
75		
85		

DIN rail	TS 35
Length (mm)	214
max. fitting length (mm)	172
External earth (mm²)	6

Aluminium Ex

Technical details



Order no.	Product type	Dimensions H x W x D (mm)
05.23 20 11	AExe 05130	232 x 202 x 111
15.23 20 11	AExi 15130	232 x 202 x 111
25.23 20 11	AExe 05080	232 x 202 x 111

Maximum number of cable glands



	1,5	2,5	4	6	10	16	25	35	50	70	95
	76	62	52	38	15	13	10	10			
	2	2	2	2	1	1	1	1			
 x A	6										
	10	62									
	16	21	41	160							
	20	8	24	46							
	25		11	26	50						
	35			7	19	49					
	50				2	16	40				
	63					5	19	67			
	80						7	21	75		
	100							9	19		
	125								8		
	160										
	200										
	225										
	250										
	315										
	400										
	500										

DIN rail	TS 35
Length (mm)	186
max. fitting length (mm)	140
External earth (mm ²)	16



Order no.	Product type	Dimensions H x W x D (mm)
05.23 20 18	AExe 05135	232 x 202 x 181
15.23 20 18	AExi 15135	232 x 202 x 181
25.23 20 18	AExe 05085	232 x 202 x 181

Maximum number of cable glands



	1,5	2,5	4	6	10	16	25	35	50	70	95
	76	62	52	38	15	13	10	10	8		
	2	2	2	2	1	1	1	1	1		
 x A	6										
	10	82									
	16	28	54	211							
	20	11	31	61							
	25		15	34	67						
	35			10	26	65					
	50				3	21	54				
	63					7	25	88			
	80						9	27	99		
	100							12	26		
	125								10	26	
	160									9	
	200										
	225										
	250										
	315										
	400										
	500										

DIN rail	TS 35
Length (mm)	186
max. fitting length (mm)	140
External earth (mm ²)	35



Technical details



Order no.	Product type	Dimensions H x W x D (mm)
05.23 28 11	AExe 05140	230 x 280 x 111
15.23 28 11	AExi 15140	230 x 280 x 111
25.23 28 11	AExe 05090	230 x 280 x 111

		1,5	2,5	4	6	10	16	25	35	50	70	95
		114	92	76	58	46	19	15	15			
	N	2	2	2	2	2	1	1	1			
	6											
	10	67										
	16	23	44	173								
	20	9	26	50								
	25		12	28	54							
	35			8	21	53						
	50				3	17	44					
	63					5	20	72				
	80						7	22	81			
	100							9	21			
	125								8			
	160											
	200											
	225											
	250											
	315											
	400											
	500											

Maximum number of cable glands		
M	Side	
	A/B	C/D
12	70	45
16	32	18
20	24	17
25	12	8
32	9	5
40	4	3
50	3	2
63	3	2
75		
85		

DIN rail	TS 35
Length (mm)	264
max. fitting length (mm)	220
External earth (mm²)	16



Order no.	Product type	Dimensions H x W x D (mm)
05.23 33 11	AExe 05145	230 x 330 x 111
15.23 33 11	AExi 15145	230 x 330 x 111
25.23 33 11	AExe 05095	230 x 330 x 111

		1,5	2,5	4	6	10	16	25	35	50	70	95
		138	110	92	70	56	23	19	19			
	N	2	2	2	2	2	1	1	1			
	6											
	10	69										
	16	23	45	178								
	20	9	26	51								
	25		12	29	56							
	35			8	22	54						
	50				3	18	45					
	63					6	21	74				
	80						8	23	83			
	100							10	22			
	125								9			
	160											
	200											
	225											
	250											
	315											
	400											
	500											

Maximum number of cable glands		
M	Side	
	A/B	C/D
12	84	45
16	42	18
20	30	17
25	15	8
32	11	5
40	5	3
50	4	2
63	4	2
75		
85		

DIN rail	TS 35
Length (mm)	314
max. fitting length (mm)	270
External earth (mm²)	16

Aluminium Ex

Technical details



Order no.	Product type	Dimensions H x W x D (mm)
05.23 33 18	AExe 05150	230 x 330 x 181
15.23 33 18	AExi 15150	230 x 330 x 181
25.23 33 18	AExe 05100	230 x 330 x 181

Maximum number of cable glands



	1,5	2,5	4	6	10	16	25	35	50	70	95
	138	110	92	70	56	23	19	19	14		
	2	2	2	2	2	1	1	1	1		
 x A	6										
	10	88									
	16	30	59	228							
	20	12	34	66							
	25		16	37	72						
	35			11	28	70					
	50				4	23	58				
	63					7	27	96			
	80						10	30	107		
	100							13	28		
	125								11	28	
	160									10	
	200										
	225										
	250										
	315										
	400										
	500										

DIN rail	TS 35
Length (mm)	314
max. fitting length (mm)	270
External earth (mm ²)	35



Order no.	Product type	Dimensions H x W x D (mm)
05.23 40 11	AExe 05155	230 x 400 x 111
15.23 40 11	AExi 15155	230 x 400 x 111
25.23 40 11	AExe 05105	230 x 400 x 111

Maximum number of cable glands



	1,5	2,5	4	6	10	16	25	35	50	70	95
	170	138	116	86	70	29	23	23			
	2	2	2	2	2	1	1	1			
 x A	6										
	10	70									
	16	24	47	182							
	20	10	27	52							
	25		13	30	57						
	35			8	22	56					
	50				3	18	46				
	63					6	21	76			
	80						8	24	85		
	100							10	22		
	125								9		
	160										
	200										
	225										
	250										
	315										
	400										
	500										

DIN rail	TS 35
Length (mm)	381
max. fitting length (mm)	340
External earth (mm ²)	16



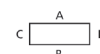
Technical details



Order no.	Product type	Dimensions H x W x D (mm)
05.23 40 23	AExe 05160	230 x 400 x 225
15.23 40 23	AExi 15160	230 x 400 x 225
25.23 40 23	AExe 05110	230 x 400 x 225

		1,5	2,5	4	6	10	16	25	35	50	70	95
		170	138	116	86	70	29	23	23	18		
	N	2	2	2	2	2	1	1	1	1		
x A	6											
	10	102										
	16	35	67	263								
	20	14	39	76								
	25		18	43	83							
	35			12	32	81						
	50				4	26	67					
	63					9	31	110				
	80						12	34	123			
	100							15	32			
	125								13	33		
	160									11		
	200											
	225											
	250											
	315											
	400											
	500											

Maximum number of cable glands



M	Side	
	A/B	C/D
12	240	108
16	122	48
20	100	44
25	54	21
32	30	13
40	18	9
50	15	6
63	12	5
75		
85		

DIN rail	TS 35
Length (mm)	381
max. fitting length (mm)	340
External earth (mm²)	35



Order no.	Product type	Dimensions H x W x D (mm)
05.23 60 11	AExe 05165	230 x 600 x 111
15.23 60 11	AExi 15165	230 x 600 x 111
25.23 60 11	AExe 05115	230 x 600 x 111

		1,5	2,5	4	6	10	16	25	35	50	70	95
		266	214	180	136	54	45	36	36			
	N	2	2	2	2	1	1	1	1			
x A	6											
	10	72										
	16	24	47	185								
	20	10	28	54								
	25		13	30	58							
	35			9	23	57						
	50				3	18	47					
	63					6	22	78				
	80						8	24	87			
	100							10	23			
	125								9			
	160											
	200											
	225											
	250											
	315											
	400											
	500											

Maximum number of cable glands



M	Side	
	A/B	C/D
12	150	43
16	72	18
20	54	17
25	28	8
32	20	4
40	10	3
50	8	2
63	6	2
75		
85		

DIN rail	TS 35
Length (mm)	581
max. fitting length (mm)	540
External earth (mm²)	16

Aluminium Ex

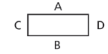
Technical details



Order no.	Product type	Dimensions H x W x D (mm)
05.31 40 11	AExe 05170	313 x 404 x 111
15.31 40 11	AExi 15170	313 x 404 x 111
25.31 40 11	AExe 05120	313 x 404 x 111

	1,5	2,5	4	6	10	16	25	35	50	70	95
	258	210	174	132	70	58	23	23			
	3	3	3	2	2	2	1	1			
 x A	6										
	10	81									
	16	27	54	209							
	20	11	31	60							
	25		15	34	66						
	35			10	26	64					
	50				3	21	43				
	63					7	24	87			
	80						9	27	98		
	100							11	26		
	125								10		
	160										
	200										
	225										
	250										
	315										
	400										
	500										

Maximum number of cable glands



M	Side	
	A/B	C/D
12	105	68
16	50	28
20	39	26
25	20	12
32	14	7
40	6	4
50	5	3
63	5	3
75		
85		

DIN rail	TS 35
Length (mm)	381
max. fitting length (mm)	340
External earth (mm²)	16



Order no.	Product type	Dimensions H x W x D (mm)
05.31 40 14	AExe 05175	312 x 403 x 141
15.31 40 14	AExi 15175	312 x 403 x 141
25.31 40 14	AExe 05125	312 x 403 x 141

	1,5	2,5	4	6	10	16	25	35	50	70	95
	258	207	174	132	70	58	23	23	18	14	14
	3	3	3	2	2	2	1	1	1	1	1
 x A	6										
	10	89									
	16	30	59	230							
	20	12	34	67							
	25		16	38	73						
	35			11	28	71					
	50				4	23	58				
	63					7	27	97			
	80						10	30	108		
	100							13	28		
	125								11	29	
	160									10	25
	200										9
	225										3
	250										
	315										
	400										
	500										

Maximum number of cable glands



M	Side	
	A/B	C/D
12	147	95
16	70	43
20	55	32
25	28	18
32	17	10
40	12	7
50	7	4
63	6	3
75		
85		

DIN rail	TS 35
Length (mm)	381
max. fitting length (mm)	340
External earth (mm²)	50



Technical details



Order no.	Product type	Dimensions H x W x D (mm)
05.31 40 18	AExe 05180	313 x 404 x 181
15.31 40 18	AExi 15180	313 x 404 x 181
25.31 40 18	AExe 05130	313 x 404 x 181

		1,5	2,5	4	6	10	16	25	35	50	70	95
		258	210	174	132	70	58	23	23	18	14	14
	N	3	3	3	2	2	2	1	1	1	1	1
x A	6											
	10	101										
	16	34	67	260								
	20	14	39	75								
	25		18	43	82							
	35			12	32	80						
	50				4	26	66					
	63					8	31	109				
	80						11	34	122			
	100							14	32			
	125								13	32		
	160									11	28	
	200										10	25
	225										4	14
	250											7
	315											
	400											
	500											

Maximum number of cable glands		
M	Side	
	A/B	C/D
12	205	122
16	98	54
20	78	51
25	40	24
32	22	15
40	15	9
50	11	6
63	8	6
75		
85		

DIN rail	TS 35
Length (mm)	381
max. fitting length (mm)	340
External earth (mm²)	50



Order no.	Product type	Dimensions H x W x D (mm)
05.31 40 23	AExe 05185	313 x 404 x 227
15.31 40 23	AExi 15185	313 x 404 x 227
25.31 40 23	AExe 05135	313 x 404 x 227

		1,5	2,5	4	6	10	16	25	35	50	70	95
		258	210	174	132	70	58	23	23	18	14	14
	N	3	3	3	2	2	2	1	1	1	1	1
x A	6											
	10	114										
	16	39	75	294								
	20	16	44	85								
	25		21	48	93							
	35			14	36	90						
	50				5	29	75					
	63					10	35	123				
	80						13	38	138			
	100							16	36			
	125								14	37		
	160									12	32	
	200										11	28
	225										4	16
	250											8
	315											
	400											
	500											

Maximum number of cable glands		
M	Side	
	A/B	C/D
12	246	162
16	126	72
20	100	68
25	54	33
32	30	20
40	18	12
50	15	9
63	12	8
75		
85		

DIN rail	TS 35
Length (mm)	381
max. fitting length (mm)	340
External earth (mm²)	50

Aluminium Ex

Technical details



Order no.	Product type	Dimensions H x W x D (mm)
05.31 60 11	AExe 05190	310 x 600 x 111
15.31 60 11	AExi 15190	310 x 600 x 111
25.31 60 11	AExe 05140	310 x 600 x 111

	1,5	2,5	4	6	10	16	25	35	50	70	95
	399	321	270	204	108	90	36	36			
	3	3	3	2	2	2	1	1			
 x A	6										
	10	85									
	16	29	56	220							
	20	12	33	64							
	25		15	36	69						
	35			10	27	68					
	50				4	22	56				
	63					7	26	92			
	80						10	29	103		
	100							12	27		
	125								11		
	160										
	200										
	225										
	250										
	315										
	400										
	500										

Maximum number of cable glands



M	Side	
	A/B	C/D
12	150	68
16	76	28
20	60	24
25	30	12
32	20	7
40	10	4
50	8	3
63	6	3
75		
85		

DIN rail	TS 35
Length (mm)	581
max. fitting length (mm)	540
External earth (mm²)	16



Order no.	Product type	Dimensions H x W x D (mm)
05.31 60 18	AExe 05195	310 x 600 x 181
15.31 60 18	AExi 15195	310 x 600 x 181
25.31 60 18	AExe 05145	310 x 600 x 181

	1,5	2,5	4	6	10	16	25	35	50	70	95
	399	321	270	204	108	90	36	36	28	22	22
	3	3	3	2	2	2	1	1	1	1	1
 x A	6										
	10	104									
	16	36	69	269							
	20	15	40	78							
	25		19	44	85						
	35			13	33	83					
	50				5	27	68				
	63					9	32	113			
	80						12	35	126		
	100							15	33		
	125								13	34	
	160									11	30
	200										10
	225										4
	250										
	315										
	400										
	500										

Maximum number of cable glands



M	Side	
	A/B	C/D
12	270	122
16	140	54
20	108	48
25	56	24
32	32	15
40	22	9
50	16	6
63	12	6
75		
85		

DIN rail	TS 35
Length (mm)	581
max. fitting length (mm)	540
External earth (mm²)	50



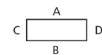
Technical details



Order no.	Product type	Dimensions H x W x D (mm)
05.60 60 20	AExe 05200	600 x 600 x 202
15.60 60 20	AExi 15200	600 x 600 x 202
25.60 60 20	AExe 05150	600 x 600 x 202

	1,5	2,5	4	6	10	16	25	35	50	70	95	120	150	185	240
	532	428	360	204	162	135	108	108	56	22	22	18	18	15	15
U N	4	4	4	3	3	3	2	2	1	1	1	1	1	1	1
6															
10	142														
16	49	95	368												
20	20	55	107												
25		26	60	116											
35			18	45	113										
50				6	37	94									
63					12	43	154								
80						16	48	173							
100							20	45							
125							2	18	46						
160									16	41					
200										14	35	109			
225										5	20	42			
250											10	26	54		
315												5	15	32	
400														7	22
500															3

Maximum number of cable glands



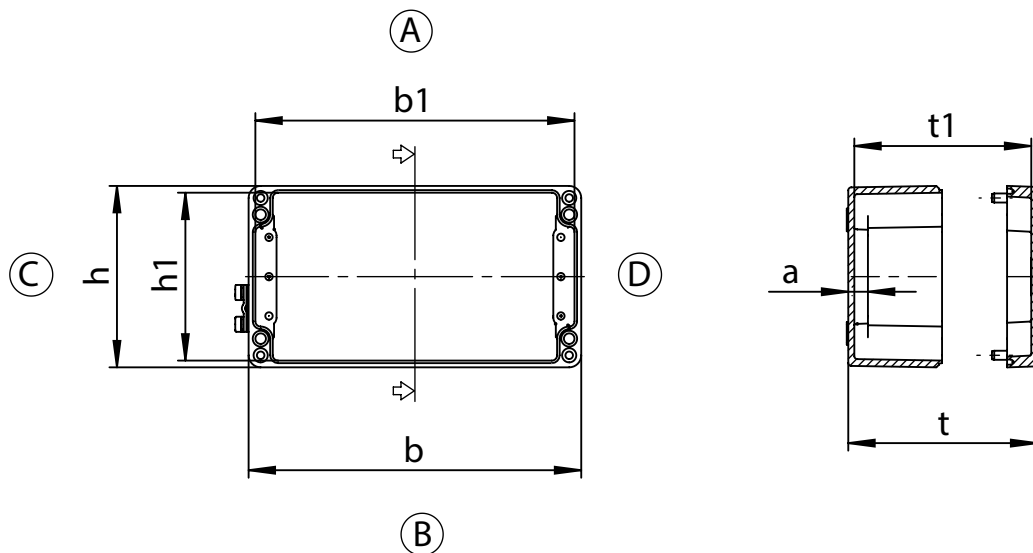
M	Side	
	A/B	C/D
12	270	270
16	140	140
20	108	108
25	56	56
32	32	32
40	22	22
50	16	16
63	12	12
75		
85		

DIN rail	TS 35
Length (mm)	575
max. fitting length (mm)	540
External earth (mm²)	120

Aluminium Ex

Technical details

Order no.	b	h	t	b1	h1	t1	a
XX.06 10 03	98	64	34	91	57	28,5	14
XX.06 15 03	150	64	34	143	57	28,5	14
XX.08 13 06	125	72	80	117	72	51	9
XX.08 18 06	175	72	80	167	72	51	9
XX.08 25 05	250	242	52	45	72	45	15,5
XX.10 16 08	160	100	81	152	92	74	9,5
XX.10 20 08	200	100	81	192	92	74	9,5
XX.12 22 08	220	120	81	211	111	72	13
XX.12 22 09	220	120	91	211	111	82	13
XX.12 36 08	360	120	81	351	111	72	13
XX.14 20 09	200	140	91	191	131	82	13
XX.16 26 09	260	160	91	251	151	82	13
XX.16 36 09	360	160	91	351	151	82	13
XX.16 56 09	560	160	91	551	151	82	13
XX.18 28 10	280	180	101	271	171	92	13
XX.23 28 11	280	230	111	271	221	102	13
XX.23 33 11	330	230	111	320	220	102	13
XX.23 33 18	330	230	181	320	220	170	13
XX.23 40 11	400	230	111	390	220	102	13
XX.23 40 23	400	230	225	389	219	214	14
XX.23 60 11	600	230	111	588	218	100	14
XX.31 40 11	404	313	111	394	303	101	13
XX.31 40 14	403	312	141	391	300	129	14
XX.31 40 18	404	313	181	394	303	169	14
XX.31 40 23	404	313	227	391	300	216	14
XX.31 60 11	600	310	111	588	298	99	14
XX.31 60 18	600	310	181	588	298	169	14

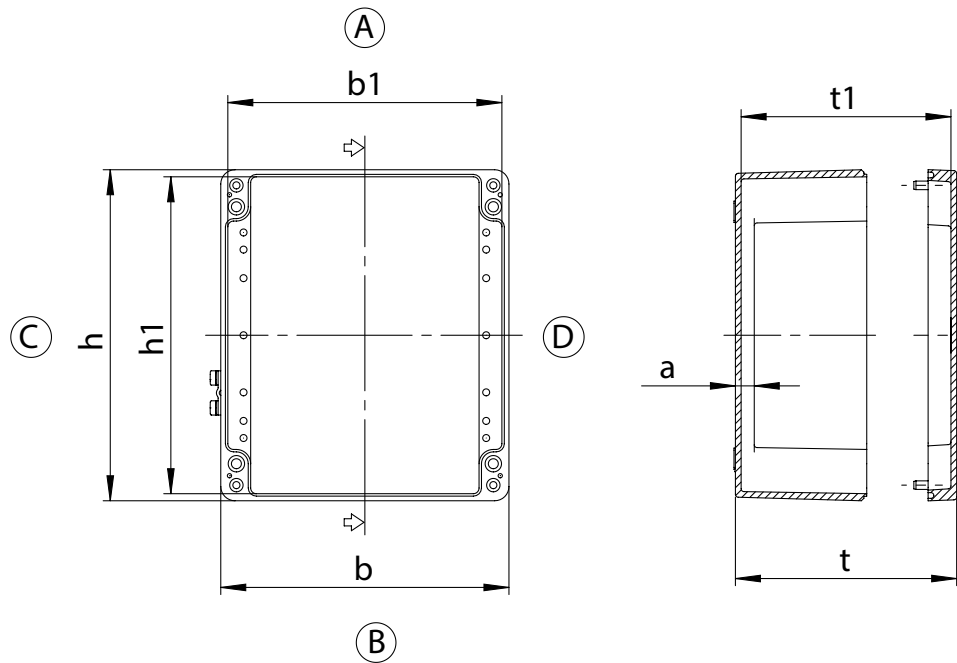


For detailed drawings visit www.rose-pw.de

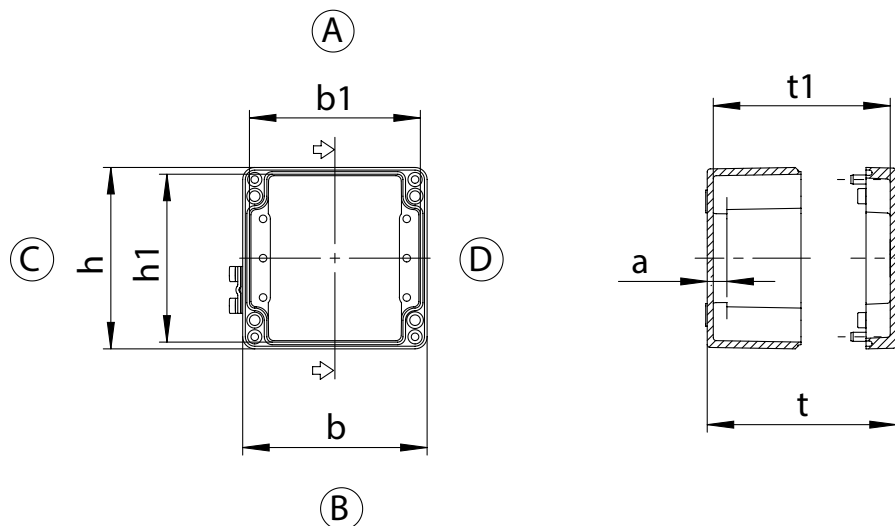


Technical details

Order no.	b	h	t	b1	h1	t1	a
XX.23 10 11	100	230	111	89	220	101	14
XX.23 20 11	202	232	111	192	222	102	13
XX.23 20 18	202	232	181	192	222	170	14



Order no.	b	h	t	b1	h1	t1	a
XX.06 06 03	58	64	34	51	57	28,5	14
XX.08 08 06	75	72	80	67	72	51	9
XX.10 10 08	100	100	81	92	92	74	9,5
XX.12 12 08	122	120	81	113	111	72	13
XX.12 12 09	122	120	91	113	111	82	13
XX.14 14 09	140	140	91	131	131	82	13
XX.16 16 09	160	160	91	151	151	82	13
XX.18 18 10	180	180	101	171	171	92	13
XX.60 60 20	600	600	202,5	588	588	189	17



Polyamide Ex Hand held enclosure Beluga



- + Hand held enclosures as empty enclosures with U-approval for Ex-applications
- + 3 enclosure sizes
- + Optional version with display openings

Included in delivery

Enclosure system consisting of top and base with seal.

O version = open: with display screen and mounting material for window

Technical datas

Explosion protection	II 2G Ex e IIC Gb II 2D Ex tb IIIC Db
Certificates	IECEX PTB 09.0019U PTB 02 ATEX 1076U EAC RU C-DE.AA87.B.00637
Material	Polyamide 12
Colour	RAL 9005, jet black
Ingress protection	IP65 to EN 60529
Impact resistance	7 Joule to EN 60079-0
Flammability	UL 94 HB
Surface resistance	<10 ⁹ Ohm to IEC 60093
Temperature range	-20 °C to +60 °C
Other execution on request	EMC



Polyamide Ex Hand held enclosure Beluga

Product overview

Ex Empty		Dimensions H x W x D (mm)	Version	Weight (g)
Order no.	Product type			
28.02 02 00	Beluga 180 O ExB	106/75 x 187 x 50	open	160
28.02 02 01	Beluga 180 G ExB	106/75 x 187 x 50	closed	170
28.02 04 00	Beluga 220 O ExB	116/85 x 220 x 51	open	200
28.02 04 01	Beluga 220 G ExB	116/85 x 220 x 51	closed	210
28.02 05 01	Beluga 380 ExB	380 x 117 x 68	closed	520

Accessories

Carrying strap

carrying strap Beluga 380

Order no.

27.02 05 80

Hand strap

hand strap Beluga 180/220

Order no.

27.02 00 83

27.02 05 81

Hook set



Order no.

27.02 00 80

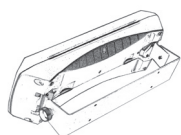
Spare display screen

Order no.

28.99 00 01

28.99 00 02

Wall holder



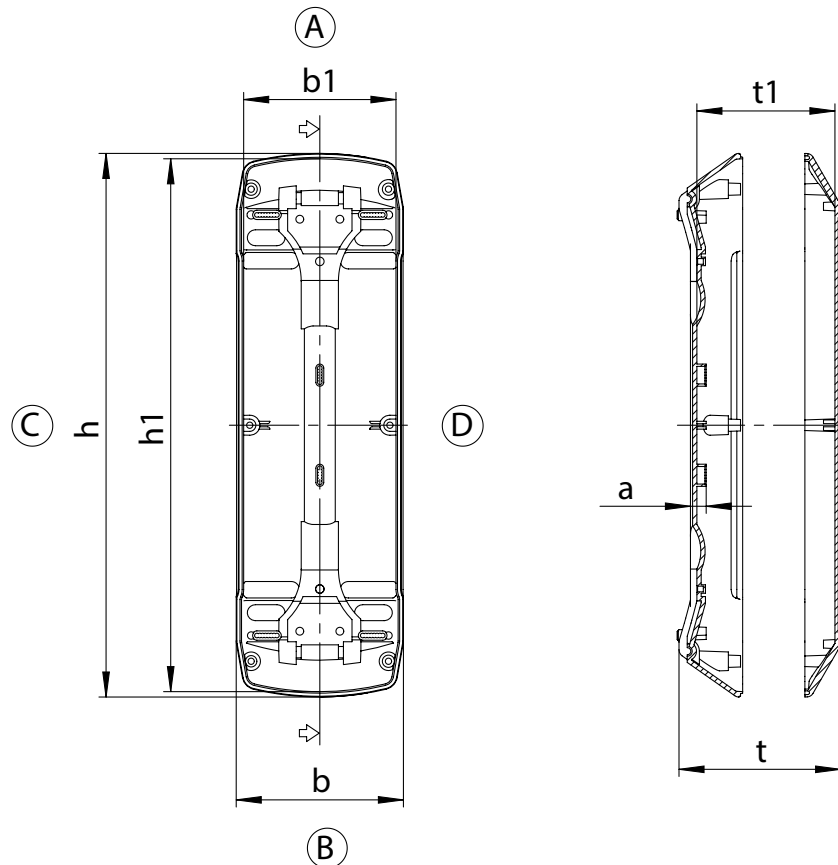
Order no.

27.02 05 82

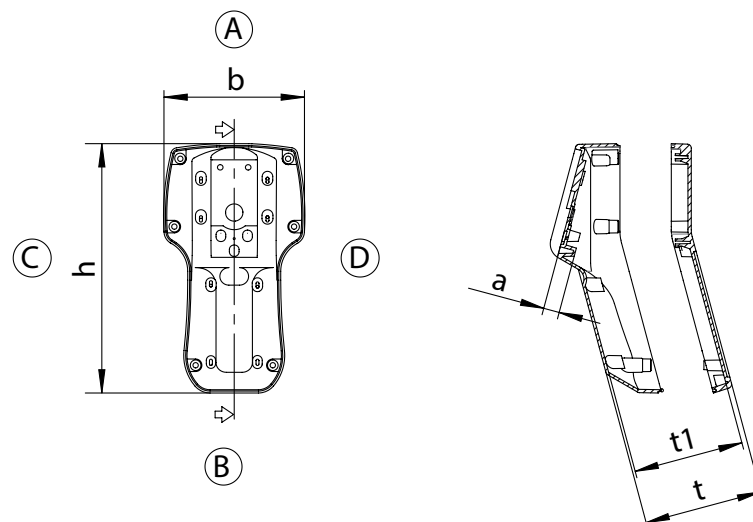
Ex Polyamide Ex Hand held enclosure Beluga

Technical details

Order no.	b	h	t	b1	h1	t1	a
28.02 05 01	117	380	68	98	306	60	11



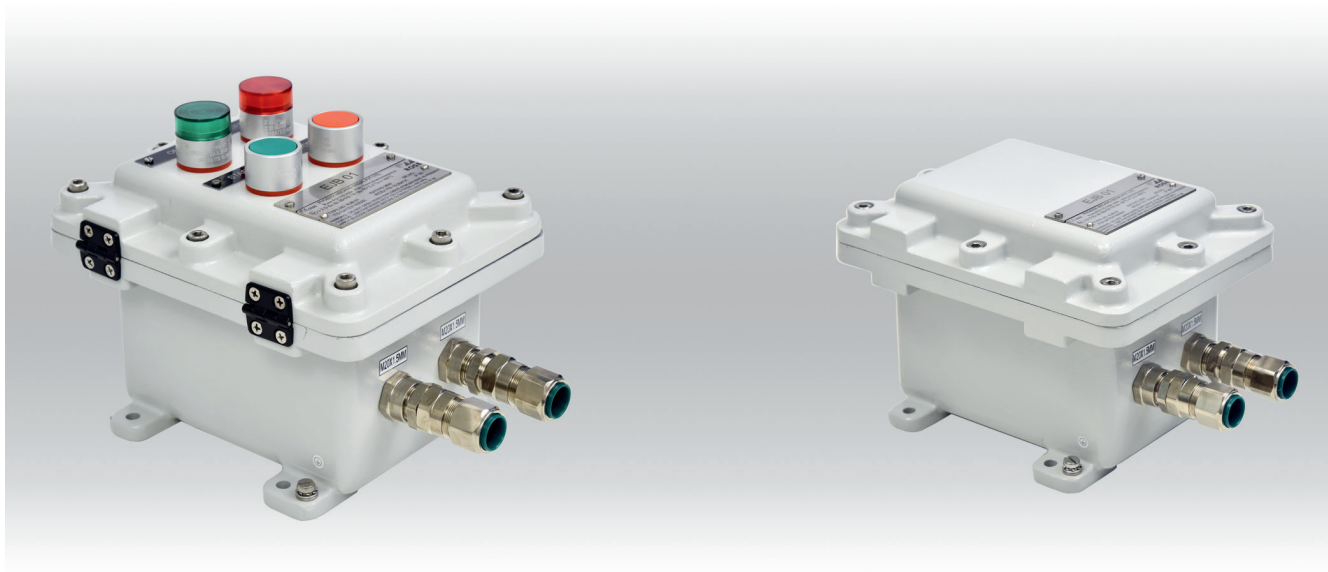
Order no.	b	h	t	t1	a
28.02 02 00	106	187	50	45	14,5
28.02 02 01	106	187	50	45	14,5
28.02 04 00	116	220	51	46	14,5
28.02 04 01	116	220	51	46	14,5



For detailed drawings visit www.rose-pw.de



Ex d IIB+H₂ Enclosure Series EJB



- + Flameproof aluminium or stainless steel enclosure system suitable for assembly of terminals, switches and components
- + Window optional
- + External flameproof joint
- + For gas group IIB + H₂

Included in delivery

Enclosure system consisting of base and screwed lid, external earth connection, hinge and external brackets

Technical data

Explosion protection	II 2 G Ex db IIB + H ₂ T6/T5 Gb II 2 D Ex tb IIIC T80 °C... T95 °C Db
Certificates	ITS 15 ATEX 18302X IECEx ITS 15.0041X
Material	Copper free aluminium Stainless steel 1.4404/316L
Colour	Aluminium: RAL 7035, light grey Stainless steel: unpainted, painting on request
Ingress protection	IP66 to EN 60529
Impact resistance	7 Joule to EN 60079-0
Temperature range	-20 °C to +75 °C

Ex d IIB+H₂ Enclosure Series EJB

Product overview

Order No.	Type	External dimensions H x W x D (mm)	Internal dimensions H x W x D (mm)	Max. rated current (A)	Max. conductor size (mm ²)	Weight (g)
Aluminium						
40.10 30 10	EJB 01 AL	220 x 170 x 152	150 x 100 x 119	76	16	4300
40.10 30 20	EJB 02 AL	270 x 220 x 158	200 x 150 x 125	125	35	6600
40.10 30 30	EJB 03 AL	320 x 270 x 166	250 x 200 x 129	232	95	10100
40.10 30 60	EJB 06 AL	490 x 440 x 250	400 x 350 x 195	415	240	30200
40.10 30 90	EJB 09 AL	780 x 580 x 440	650 x 450 x 361	935	630	115000
40.10 31 00	EJB 10 AL	980 x 680 x 487	850 x 550 x 387	1055	1000	202000
Stainless Steel						
40.20 30 10	EJB 01 SS	220 x 170 x 152	150 x 100 x 119	76	16	12600
40.20 30 20	EJB 02 SS	270 x 220 x 158	200 x 150 x 125	125	35	19600
40.20 30 30	EJB 03 SS	320 x 270 x 166	250 x 200 x 129	232	95	30300

Accessories

Order No.	Mounting plate	Dimensions H x W x D (mm)
40.10 30 10	40.30 30 10	142 x 92 x 1.5
40.10 30 20	40.30 30 20	192 x 142 x 1.5
40.10 30 30	40.30 30 30	242 x 192 x 1.5
40.10 30 60	40.30 30 60	375 x 325 x 1.5
40.10 30 90	40.30 30 90	590 x 390 x 1.5
40.10 31 00	40.30 31 00	780 x 480 x 1.5
40.20 30 10	40.30 30 10	142 x 92 x 1.5
40.20 30 20	40.30 30 20	192 x 142 x 1.5
40.20 30 30	40.30 30 30	242 x 192 x 1.5

Terminal mounting

	Phoenix Contact													
DIN rail	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35
Rated nominal cross section (mm ²)	2,5	4	6	10	16	25	35	50	70	95	120	150	185	240
Rated voltage (V)	690	690	690	690	690	690	690	690	880	880	1100	1100	1100	1100
Terminal width (mm)	5.2	6.2	8.2	10.2	12.2	16.2	16.2	20	25	25	31	31	36	36
Terminal type														
Enclosure type	UT 2,5	UT 4	UT 6	UT 10	UT 16	UT 35	UT 35	UKH 50	UKH 95	UKH 95	UKH 150	UKH 150	UKH 240	UKH 240
40.10 30 10	20	16	8	6	4									
40.10 30 20	30	24	12	10	8	6	6							
40.10 30 30	40	32	16	12	10	8	8	6	4	4				
40.10 30 60	100	82	64	50	42	32	32	15	12	12	9	9	8	8
40.10 30 90	240	204	160	124	104	76	76	30	24	24	20	20	16	16
40.10 30 00	390	325	250	200	165	125	125	60	48	48	24	24	22	22
40.20 30 10	20	16	8	6	4									
40.20 30 20	30	24	12	10	8	6	6							
40.20 30 30	40	32	16	12	10	8	8	6	4	4				

Other suppliers on request



Ex d IIB+H₂ Enclosure Series EJB

Technical details

Power dissipation in Watt

Type	Temperature class	T6			T5					T4		
	Maximum surface temperature	T80 °C			T95 °C					T130 °C		
	Maximum ambient temperature	+40 °C	+50 °C	+60 °C	+40 °C	+50 °C	+55 °C	+60 °C	+75 °C	+40 °C	+50 °C	+60 °C
EJB 01 AL	Maximum allowed power loss	60 W		36 W			60 W		36 W			
EJB 02 AL		76 W		42 W			76 W		42 W			
EJB 03 AL		87 W		60 W			87 W		60 W			
EJB 06 AL		209 W	166 W	114 W	338 W	260 W		206 W		584 W	514 W	436 W
EJB 09 AL		467 W	319 W	236 W	728 W	555 W		353 W		1238 W	1145 W	956 W
EJB 10 AL		726 W	568 W	400 W	1085 W	864 W		712 W		2038 W	1709 W	1454 W
EJB 01 SS		60 W		36 W			60 W		36 W			
EJB 02 SS		76 W		42 W			76 W		42 W			
EJB 03 SS		87 W		60 W			87 W		60 W			

Assembly possibilities on lid

Type	Control equipment	Window (mm)								
		44 x 44	68 x 68	92 x 92	140 x 140	186 x 186	234 x 234	280 x 280	328 x 376	376 x 376
EJB 01 AL	4	1								
EJB 02 AL	9	4	1	1						
EJB 03 AL	16	9	4	1	1					
EJB 06 AL	49	25	9	4	1	1	1			
EJB 09 AL	88	56	20	12	4	2	1	1	1	
EJB 10 AL	150	90	36	20	9	4	2	1	1	1
EJB 01 SS	4	1								
EJB 02 SS	9	4	1	1						
EJB 03 SS	16	9	4	1	1					

Maximum number of cable glands

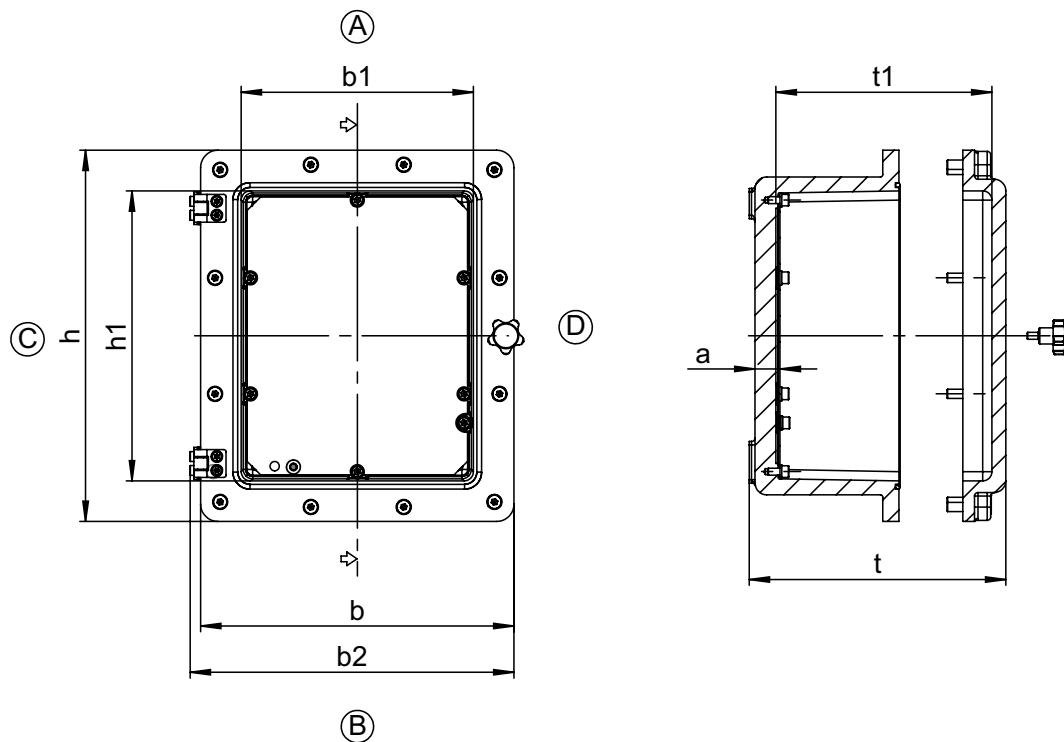


M	NPT	Side	Type								
			EJB 01 AL	EJB 02 AL	EJB 03 AL	EJB 06 AL	EJB 09 AL	EJB 10 AL	EJB 01 SS	EJB 02 SS	EJB 03 SS
20	1/2"	A/B	4	6	8	21	54	66	4	6	8
20	1/2"	C/D	6	8	10	24	84	108	6	8	10
25	3/4"	A/B	2	4	6	17	33	54	2	4	6
25	3/4"	C/D	4	5	8	20	54	90	4	5	8
32	1"	A/B	1	3	4	11	28	36	1	3	4
32	1"	C/D	2	4	5	12	43	60	2	4	5
40	1 1/4"	A/B		2	3	8	18	28		2	3
40	1 1/4"	C/D		3	3	10	28	44		3	3
50	1 1/2"	A/B			2	4	12	18			2
50	1 1/2"	C/D			3	5	21	28			3
63	2"	A/B				3	11	15			
63	2"	C/D				4	17	24			
75	2 1/2"	A/B				3	6	9			
75	2 1/2"	C/D				3	9	15			
90	3"	A/B					5	7			
90	3"	C/D					8	12			
100	4"	A/B					5	6			
100	4"	C/D					7	10			

Ex d IIB+H₂ Enclosure Series EJB

Dimensions

Order No.	b	h	t	b1	h1	t1	a	h2
40.10 30 10	170	220	152	100	150	121	19,5	181
40.10 30 20	220	270	158	150	200	127	19,5	229
40.10 30 30	270	320	161	200	250	131	21,5	279
40.10 30 60	440	490	250	350	400	195	32,5	449
40.10 30 90	580	780	440	450	650	360	47,5	589
40.10 31 00	680	980	487	550	850	387	59,5	689
40.20 30 10	170	220	152	100	150	121	19,5	181
40.20 30 20	220	270	158	150	200	127	19,5	229
40.20 30 30	270	320	161	200	250	131	21,5	279



Ex d IIB+H₂ Enclosure Series IJB



- + Flameproof aluminium enclosure system suitable for assembly of terminals, switches and components
- + Combination of several enclosures possible due to internal flameproof joint
- + Window optional
- + For gas group IIB + H₂

Included in delivery

Enclosure system consisting of base and lid with screws, external earth connection, hinge and external brackets

Technical data

Explosion protection	II 2 G Ex db IIB + H ₂ T6/T5/T4 Gb II 2 D Ex tb IIIC T80 °C...T130 °C Db
Certificates	ITS 15 ATEX 18301X IECEX ITS 15.0043X
Material	Copper free aluminium
Ingress protection	IP66 to EN 60529
Impact resistance	7 Joule to EN 60079-0
Temperature range	-20 °C to +75 °C

Ex d IIB+H₂ Enclosure Series IJB

Product overview

Order No.	Type	External dimensions H x W x D (mm)	Internal dimensions H x W x D (mm)	Weight (g)
40.10 40 10	IJB 01 AL	320 x 220 x 223	296 x 196 x 185	12100
40.10 40 20	IJB 02 AL	370 x 270 x 225	346 x 246 x 185	15700
40.10 40 30	IJB 03 AL	420 x 320 x 247	392 x 292 x 203	22900
40.10 40 40	IJB 04 AL	470 x 370 x 249	442 x 342 x 200	29700
40.10 40 50	IJB 05 AL	530 x 430 x 283	498 x 398 x 222	47000
40.10 40 60	IJB 06 AL	630 x 530 x 288	594 x 494 x 221	70100

Accessories

Order No.	Mounting plate	Dimensions H x W x D (mm)
40.10 40 10	40.30 40 10	245 x 145 x 1,5
40.10 40 20	40.30 40 20	295 x 195 x 1,5
40.10 40 30	40.30 40 30	345 x 245 x 1,5
40.10 40 40	40.30 40 40	395 x 295 x 1,5
40.10 40 50	40.30 40 50	445 x 345 x 1,5
40.10 40 60	40.30 40 60	545 x 445 x 1,5

Terminal mounting

	Phoenix Contact													
DIN rail	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35
Rated nominal cross section (mm²)	2,5	4	6	10	16	25	35	50	70	95	120	150	185	240
Rated voltage (V)	690	690	690	690	690	690	690	690	880	880	1100	1100	1100	1100
Terminal width (mm)	5.2	6.2	8.2	10.2	12.2	16.2	16.2	20	25	25	31	31	36	36
Terminal type														
Enclosure type	UT 2,5	UT 4	UT 6	UT 10	UT 16	UT 35	UT 35	UKH 50	UKH 95	UKH 95	UKH 150	UKH 150	UKH 240	UKH 240
40.10 40 10	40	32	20	16	12	8	8							
40.10 40 20	60	50	27	21	18	12	12	8	4	4				
40.10 40 30	80	66	34	26	21	15	15	10	6	6	4	4		
40.10 40 40	100	82	34	32	25	18	18	12	10	10	8	8	4	4
40.10 40 50	120	82	46	32	30	18	18	15	12	12	9	9	6	6
40.10 40 60	160	132	60	46	38	28	28	20	16	16	12	12	9	9

Other suppliers on request



Ex d IIB+H₂ Enclosure Series IJB

Technical details

Power dissipation in Watt

Type	Temperature class	T6			T5					T4		
	Maximum surface temperature	T80 °C			T95 °C					T130 °C		
	Maximum ambient temperature	+40 °C	+50 °C	+60 °C	+40 °C	+50 °C	+55 °C	+60 °C	+75 °C	+40 °C	+50 °C	+60 °C
IJB 01 AL	Maximum allowed power loss	108 W		56 W			108 W		56 W			
IJB 02 AL		120 W		72 W			120 W		72 W			
IJB 03 AL		145 W		76 W			145 W		76 W			
IJB 04 AL		198 W	150 W	95 W	280 W	220 W		160 W		480 W	430 W	360 W
IJB 05 AL		300 W	200 W	136 W	408 W	309 W		241 W		659 W	586 W	491 W
IJB 06 AL		332 W	218 W	155 W	473 W	400 W		282 W		894 W	818 W	636 W

Assembly possibilities on lid

Type	Control equipment	Window (mm)									
		44 x 44	68 x 68	92 x 92	92 x 140	140 x 140	140 x 186	186 x 186	234 x 234	280 x 280	376 x 376
IJB 01 AL	12	6	2	1	1						
IJB 02 AL	20	12	4	2	1	1	1				
IJB 03 AL	30	16	4	4	2	1	1	1			
IJB 04 AL	42	25	9	4	2	1	1	1	1		
IJB 05 AL	56	36	16	9	6	4	2	1	1	1	
IJB 06 AL	90	64	25	16	8	4	4	4	1	1	1

Maximum number of cable glands

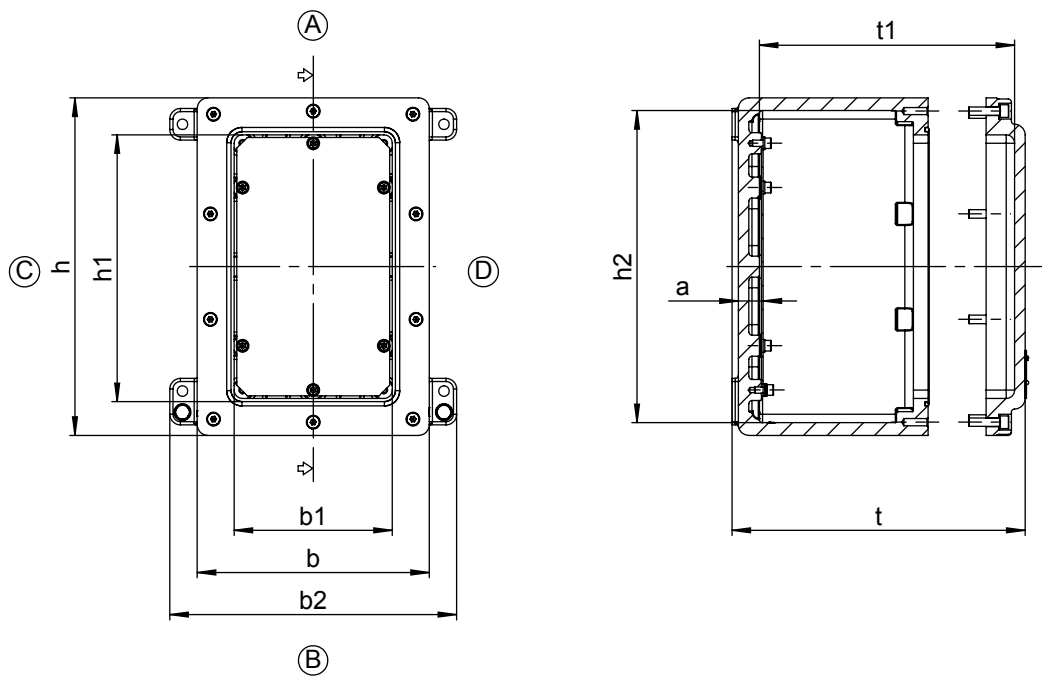


		Side	Type					
M	NPT		IJB 01 AL	IJB 02 AL	IJB 03 AL	IJB 04 AL	IJB 05 AL	IJB 06 AL
20	1/2"	A/B	11	14	18	22	32	40
20	1/2"	C/D	17	20	24	28	40	48
25	3/4"	A/B	6	9	14	17	20	26
25	3/4"	C/D	11	14	20	23	26	30
32	1"	A/B	5	6	9	11	17	23
32	1"	C/D	8	9	14	15	23	26
40	1 1/4"	A/B	3	5	6	8	11	14
40	1 1/4"	C/D	6	8	9	11	14	17
50	1 1/2"	A/B	2	3	4	5	8	9
50	1 1/2"	C/D	3	4	6	7	9	11
63	2"	A/B			3	4	5	7
63	2"	C/D			4	5	7	8
75	2 1/2"	A/B					3	4
75	2 1/2"	C/D					4	5

Ex d IIB+H₂ Enclosure Series IJB

Dimensions

Order No.	b	h	t	b1	h1	t1	b2	h2	a
40.10 40 10	220	320	223	150	250	187	272	296	23,5
40.10 40 20	270	370	225	200	300	187	322	346	23,5
40.10 40 30	320	420	247	250	350	205	380	392	24,5
40.10 40 40	370	470	249	300	400	202	430	442	27,5
40.10 40 50	430	530	283	350	450	224	506	498	32,5
40.10 40 60	530	630	288	450	550	223	614	594	34,5



Ex d IIC Enclosure Series GUB



- + Flameproof enclosure system suitable for assembly of terminals, switches and components
- + For gas group IIC

Included in delivery

Enclosure system consisting of base and lid with screws, external earth connection and external brackets

Technical data

Explosion protection	II 2 G Ex db IIC T6/T5/T4 Gb II 2 D Ex tb IIIC T80 °C...T130 °C Db
Certificates	ITS 15 ATEX 18212X IECEX ITS 15.0011X
Material	Copper free aluminium
Colour	RAL 7035, light grey
Ingress protection	IP66 to EN 60529
Impact resistance	7 Joule to EN 60079-0
Temperature range	-20 °C to +75 °C

Ex d IIC Enclosure Series GUB

Product overview

Order No.	Type	External dimensions H x W x D (mm)	Internal dimensions H x W x D (mm)	Weight (g)
40.10 20 10	GUB 01 AL	220 x 220 x 182	196 x 196 x 133	6200
40.10 20 20	GUB 02 AL	270 x 270 x 182	246 x 246 x 128	8800
40.10 20 30	GUB 03 AL	320 x 320 x 211	292 x 292 x 150	15500
40.10 20 40	GUB 04 AL	370 x 370 x 217	342 x 342 x 151	21000
40.10 20 50	GUB 05 AL	420 x 420 x 239	388 x 388 x 170	30000
40.10 20 60	GUB 06 AL	470 x 470 x 247	434 x 434 x 173	39300

Accessories

Order No.	Mounting plate	Dimensions H x W x T (mm)
40.10 20 10	40.30 20 10	170 x 170 x 1,5
40.10 20 20	40.30 20 20	205 x 205 x 1,5
40.10 20 30	40.30 20 30	245 x 245 x 1,5
40.10 20 40	40.30 20 40	290 x 290 x 1,5
40.10 20 50	40.30 20 50	330 x 330 x 1,5
40.10 20 60	40.30 20 60	380 x 380 x 1,5

Terminal mounting

	Phoenix Contact													
DIN rail	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35
Rated nominal cross section (mm²)	2,5	4	6	10	16	25	35	50	70	95	120	150	185	240
Rated voltage (V)	690	690	690	690	690	690	690	690	880	880	1100	1100	1100	1100
Terminal width (mm)	5.2	6.2	8.2	10.2	12.2	16.2	16.2	20	25	25	31	31	36	36
Terminal type														
Enclosure type	UT 2,5	UT 4	UT 6	UT 10	UT 16	UT 35	UT 35	UKH 50	UKH 95	UKH 95	UKH 150	UKH 150	UKH 240	UKH 240
40.10 20 10	26	20	10	8	6	4	4							
40.10 20 20	36	26	15	12	10	8	8	6						
40.10 20 30	50	40	20	16	12	10	10	8	6	6				
40.10 20 40	64	54	28	22	18	14	14	10	8	8	6	6		
40.10 20 50	76	60	32	26	20	16	16	12	10	10	8	8		
40.10 20 60	100	80	40	30	26	18	18	14	12	12	10	10	8	8

Other suppliers on request



Ex d IIC Enclosure Series GUB

Technical details

Power dissipation in Watt

Type	Temperature class	T6			T5					T4		
	Maximum surface temperature	T80 °C			T95 °C					T130 °C		
	Maximum ambient temperature	+40 °C	+50 °C	+60 °C	+40 °C	+50 °C	+55 °C	+60 °C	+75 °C	+40 °C	+50 °C	+60 °C
GUB 01 AL	Maximum allowed power loss	82 W		38 W			82 W		38 W			
GUB 02 AL		86 W		45 W			86 W		45 W			
GUB 03 AL		114 W		64 W			114 W		64 W			
GUB 04 AL		170 W	120 W	70 W	230 W	180 W		126 W		410 W	376 W	316 W
GUB 05 AL		218 W	168 W	91 W	291 W	226 W		159 W		491 W	451 W	400 W
GUB 06 AL		250 W	182 W	150 W	405 W	282 W		215 W		723 W	609 W	472 W

Maximum number of cable glands

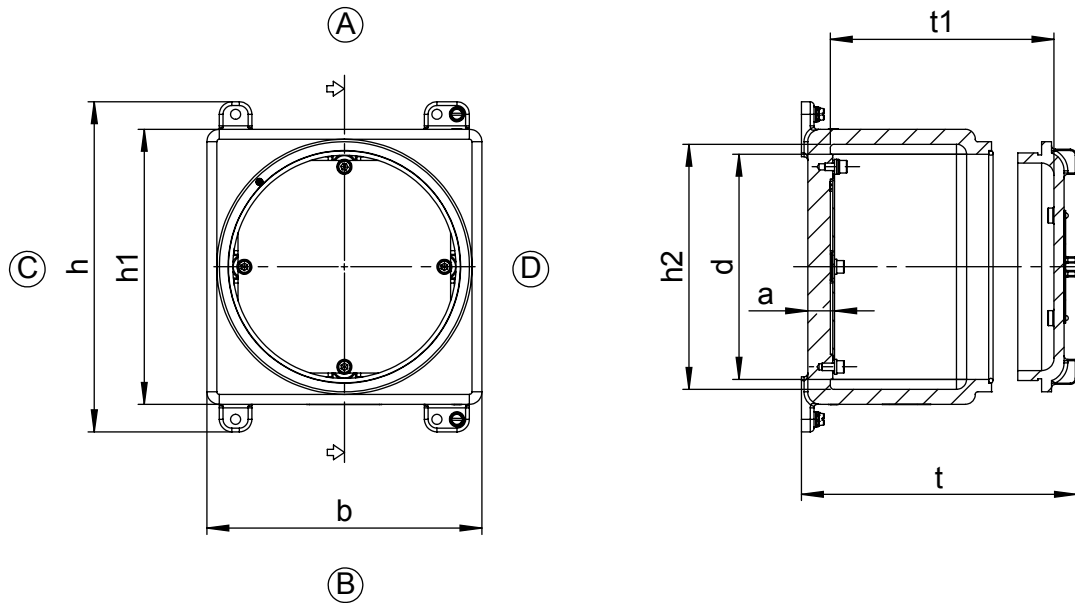


M	NPT	Side	Type					
			GUB 01 AL	GUB 02 AL	GUB 03 AL	GUB 04 AL	GUB 05 AL	GUB 06 AL
20	1/2"	A/B	9	12	18	21	24	27
20	1/2"	C/D	9	12	18	21	24	27
25	3/4"	A/B	6	8	12	14	20	23
25	3/4"	C/D	6	8	12	14	20	23
32	1"	A/B	5	6	8	9	12	14
32	1"	C/D	5	6	8	9	12	14
40	1 1/4"	A/B	3	4	6	8	9	11
40	1 1/4"	C/D	3	4	6	8	9	11
50	1 1/2"	A/B			3	4	6	6
50	1 1/2"	C/D			3	4	6	6
63	2"	A/B				3	4	5
63	2"	C/D				3	4	5
75	2 1/2"	A/B						3
75	2 1/2"	C/D						3

Ex d IIC Enclosure Series GUB

Technical details

Order No.	b	h	t	h1	t1	h2	a	d
40.10 20 10	220	264	180	220	139	196	21,5	Ø180
40.10 20 20	270	314	180	270	139	246	21,5	Ø226
40.10 20 30	320	372	209	320	161	292	25,5	Ø262
40.10 20 40	370	430	216	370	161	342	27,5	Ø308
40.10 20 50	420	480	238	420	181	388	29,5	Ø344
40.10 20 60	470	538	246	470	184	434	31,5	Ø394



Ex d IIC Enclosure Series TBE



- + Flameproof aluminium or stainless steel enclosure system suitable for assembly of terminals and industrial type components
- + Available in aluminium or stainless steel
- + For gas group IIC

Included in delivery
Enclosure system consisting of base and lid with screws, external earth connection and external brackets

Technical data

Explosion protection	II 2 G Ex db IIC T6/T5 Gb II 2 D Ex tb IIIC T80°C...T95°C Db
Certificates	ITS 14 ATEX 18169X IECEx ITS 14.0070X RU C-DE.MIO62.B.03099
Material	Copper free aluminium Stainless steel 1.4404/316L
Colour	Aluminium: RAL 7035, light grey Stainless steel: unpainted, painting on request
Ingress protection	IP66 to EN 60529
Surface	Powder coating
Impact resistance	7 Joule to EN 60079-0
Temperature range	-60 °C to +75 °C

Ex d IIC Enclosure Series TBE

Product overview

Order No.	Type	External dimensions H x W x D (mm)	Internal dimensions H x W x D (mm)	Weight (g)
Aluminium				
40.10 10 10	TBE 100T AL	116 x 116 x 98	98 x 98 x 66	1100
40.10 10 13	TBE 130T AL	148 x 148 x 107	127 x 127 x 71	1800
40.10 10 16	TBE 160T AL	180 x 180 x 116	157 x 157 x 78	2900
Stainless Steel				
40.20 10 10	TBE 100T SS	116 x 116 x 98	98 x 98 x 66	3000
40.20 10 13	TBE 130T SS	148 x 148 x 107	127 x 127 x 71	5200
40.20 10 16	TBE 160T SS	180 x 180 x 116	157 x 157 x 78	8600

Accessories

Order No.	Mounting plate	Dimensions Ø x T (mm)
40.10 10 10	40.30 10 10	96 x 1.5
40.10 10 13	40.30 10 13	125 x 1.5
40.10 10 16	40.30 10 16	155 x 1.5
40.20 10 10	40.30 10 10	96 x 1.5
40.20 10 13	40.30 10 13	125 x 1.5
40.20 10 16	40.30 10 16	155 x 1.5

Terminal mounting

	Phoenix Contact													
DIN rail	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35							
Rated nominal cross section (mm²)	2,5	4	6	10	16	25	35							
Rated voltage (V)	690	690	690	690	690	690	690							
Terminal width (mm)	5.2	6.2	8.2	10.2	12.2	16.2	16.2							
Terminal type														
Enclosure type	UT 2,5	UT 4	UT 6	UT 10	UT 16	UT 35	UT 35							
40.10 10 10	8	6	4	3										
40.10 10 13	16	12	10	6	4									
40.10 10 16	20	16	12	8	6	4	4							
40.20 10 10	8	6	4	3										
40.20 10 13	16	12	10	6	4									
40.20 10 16	20	16	12	8	6	4	4							

Other suppliers on request



Ex d IIC Enclosure Series TBE

Technical details

Power dissipation in Watt

Type	Temperature class	T6			T5				
	Maximum surface temperature	T80 °C			T95 °C				
	Maximum ambient temperature	+40 °C	+50 °C	+60 °C	+40 °C	+50 °C	+55 °C	+60 °C	+75 °C
TBE 100T AL	Maximum allowed power loss	20 W		12 W			20 W		12 W
TBE 130T AL		29 W		15 W			29 W		15 W
TBE 160T AL		41 W		24 W			41 W		24 W
TBE 100T SS		20 W		12 W			20 W		12 W
TBE 130T SS		29 W		15 W			29 W		15 W
TBE 160T SS		41 W		24 W			41 W		24 W

Maximum number of cable glands

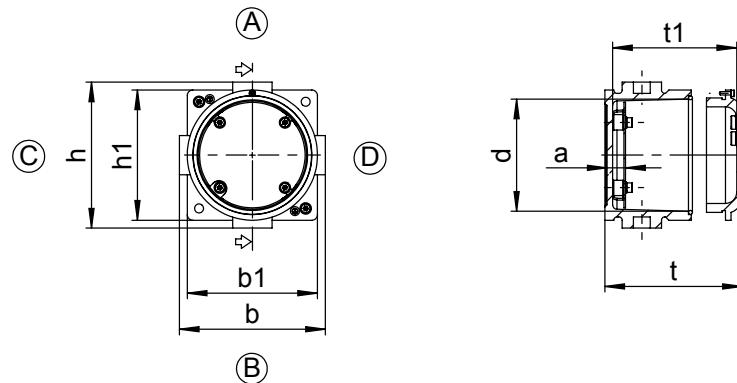


M	NPT	Side	Type					
			TBE 100T AL	TBE 130T AL	TBE 160T AL	TBE 100T SS	TBE 130T SS	TBE 160T SS
20	1/2"	A/B	1	1	1	1	1	1
20	1/2"	C/D	1	2	3	1	2	3
25	3/4"	A/B	1	1	1	1	1	1
25	3/4"	C/D	1	2	3	1	2	3
32	1"	A/B		1	1		1	1
32	1"	C/D						
40	1 1/4"	A/B			1			1
40	1 1/4"	C/D						

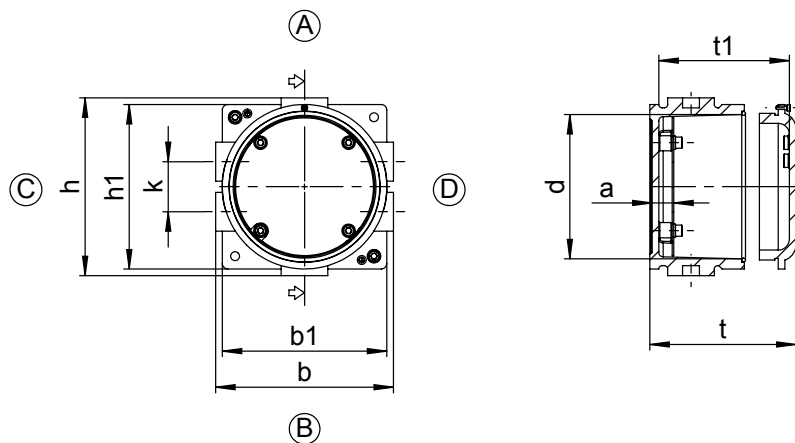
Ex d IIC Enclosure Series TBE

Dimensions

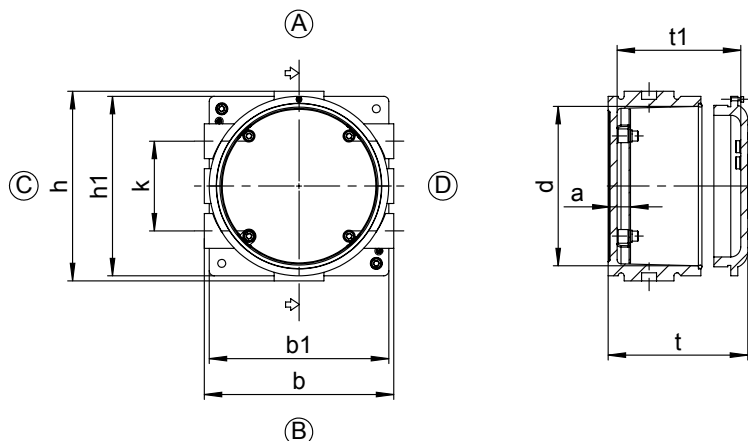
Order No.	b	h	t	b1	h1	t1	a	d
40.10 10 10	130	130	97,5	116	116	80,5	17	Ø100
40.20 10 10	130	130	97,5	116	116	80,5	17	Ø100



Order No.	b	h	t	b1	h1	t1	a	k	d
40.10 10 13	160	160	106,5	148	148	87,5	20	45	Ø130
40.20 10 13	160	160	106,5	148	148	87,5	20	45	Ø130



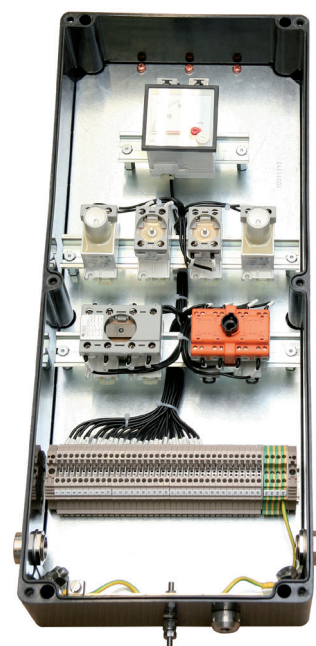
Order No.	b	h	t	b1	h1	t1	a	k	d
40.10 10 16	190	190	116	180	180	94	21	90	Ø160
40.20 10 16	190	190	116	180	180	94	21	90	Ø160



Ex Control Stations



- + Control Station acc. customer specification
- + Execution with enclosure, pushbutton, switch and / or pilote lamps
- + Approval : ATEX, IECEx and further
- + Application: Installation in chemical/ petrochemical area, Onshore and Offshore



Ex Cable glands



- + Ex approved cable glands (metric) for standard cable and armoured cable

Materials: polyamide, brass, stainless steel

Approvals Ex e, Ex d, Ex ta, Ex nR

- + Stopping plugs metric

Materials: polyamide, brass

Approvals: Ex e, Ex d

- + Drain plugs and breather elements, counter nuts and additional accessories
-



For further cable glands or accessories don't hesitate to contact us.



Ex cable glands

E1FX, Ex Brass cable glands STA, SWB



Atmosphere	G/D
Equipment group	II
Category	2/3
Zone	1, 2, 21, 22
Type of ignition protection	Ex d, Ex e, Ex ta, Ex nR
Approvals	ATEX, IECEx, INMETRO, EAC (TR CU)
Material	Brass, nickelplated
Ingress protection	IP66 to EN 60529, IP68 with additional sealing insert
Cable types	screened flexible (EMC) wire braid (e.g. CY / SY), pliable wire armour (PWA), steel tape armour (STA), wire Braid armour (e.g. SWB), aluminium strip armour (ASA), armoured & jacketed
Temperature range	-60 °C to +130 °C
Certificates	SIRA13ATEX1071X, SIRA13ATEX4077X, IECEx SIR 13.0026X, IECEx SIM 14.0007X, TC RU C-GB.AA87.B.00487

Product type	Order no.	Cable Ø inside	Cable Ø outside	GL	SW
M 20 x 1.5	08.03 07 20	3.1 - 8.6	6.1 - 13.2	15	24
M 20 x 1.5	08.03 07 21	6.1 - 11.6	9.5 - 15.9	15	24
M 20 x 1.5	08.03 07 22	6.5 - 13.9	12.5 - 20.9	15	30.5
M 25 x 1.5	08.03 07 25	11.1 - 19.9	14 - 22	15	37.5
M 25 x 1.5	08.03 07 26	11.1 - 19.9	18.2 - 26.2	15	37.5
M 32 x 1.5	08.03 07 32	17 - 26.2	23.7 - 33.9	15	46
M 40 x 1.5	08.03 07 40	22 - 32.1	27.9 - 40.4	15	55
M 50 x 1.5	08.03 07 50	29.5 - 38.1	35.2 - 46.7	15	60
M 50 x 1.5	08.03 07 51	35.6 - 44	40.4 - 53.1	15	70
M 63 x 1.5	08.03 07 63	40.1 - 49.9	45.6 - 59.4	15	75
M 63 x 1.5	08.03 07 64	47.2 - 55.9	54.6 - 65.9	15	80

E1FW, Ex Brass cable glands SWA



Atmosphere	G/D
Equipment group	II
Category	2/3
Zone	1, 2, 21, 22
Type of ignition protection	Ex d, Ex e, Ex ta, Ex nR
Approvals	ATEX, IECEx, INMETRO, EAC (TR CU)
Material	Brass, nickelplated
Ingress protection	IP66 to EN 60529, IP68 with additional sealing insert
Cable types	single wire armour (SWA), aluminium wire armour (AWA)
Temperature range	-60 °C to +130 °C
Certificates	SIRA13ATEX1071X, SIRA13ATEX4077X, IECEx SIR 13.0026X, IECEx SIM 14.0007X, TC RU C-GB.ГБ05.B00138

Product type	Order no.	Cable Ø inside	Cable Ø outside	GL	SW
M 20 x 1.5	08.03 06 20	3.1 - 8.6	6.1 - 13.2	15	24
M 20 x 1.5	08.03 06 21	6.1 - 11.6	9.5 - 15.9	15	24
M 20 x 1.5	08.03 06 22	6.5 - 13.9	12.5 - 20.9	15	30.5
M 25 x 1.5	08.03 06 25	11.1 - 19.9	14 - 22	15	37.5
M 25 x 1.5	08.03 06 26	11.1 - 19.9	18.2 - 26.2	15	37.5
M 32 x 1.5	08.03 06 32	17 - 26.2	23.7 - 33.9	15	46
M 40 x 1.5	08.03 06 40	22 - 32.1	27.9 - 40.4	15	55
M 50 x 1.5	08.03 06 50	29.5 - 38.1	35.2 - 46.7	15	60
M 50 x 1.5	08.03 06 51	35.6 - 44	40.4 - 53.1	15	70
M 63 x 1.5	08.03 06 63	40.1 - 49.9	45.6 - 59.4	15	75
M 63 x 1.5	08.03 06 64	47.2 - 55.9	54.6 - 65.9	15	80

SW = Width across flats
GL = Thread length

Ex cable glands

E1FU, Ex Brass cable glands



Atmosphere	G/D
Equipment group	II
Category	2/3
Zone	1, 2, 21, 22
Type of ignition protection	Ex d, Ex e, Ex ta, Ex nR
Approvals	ATEX, IECEx, EAC (TR CU)
Material	Brass, nickelplated
Ingress protection	IP68
Cable types	single wire armour (SWA), aluminium wire armour (AWA), steel tape armour (STA), wire braid armour (e.g. SWB), aluminium strip armour (ASA), pliable wire armour (PWA), screened flexible (EMC) wire braid (e.g. CY / SY), armoured & jacketed
Temperature range	-60 °C to +130 °C
Certificates	SIRA13ATEX1071X, SIRA13ATEX4077X IECEx SIR 13.0026X, IECEx SIM 14.0007X, TC RU C-GB.AA87.B.00487

Product type	Order no.	Cable Ø inside	Cable Ø outside	GL	SW
M 20 x 1.5	08.03 08 20	3.1 - 8.6	6.1 - 13.1	15	24
M 20 x 1.5	08.03 08 21	6.1 - 11.6	9.5 - 15.9	15	24
M 20 x 1.5	08.03 08 22	6.5 - 13.9	12.5 - 20.9	15	30.5
M 25 x 1.5	08.03 08 25	11.1 - 19.9	14 - 22	15	37.5
M 25 x 1.5	08.03 08 26	11.1 - 19.9	18.2 - 26.2	15	37.5
M 32 x 1.5	08.03 08 32	17 - 26.2	23.7 - 33.9	15	46
M 40 x 1.5	08.03 08 40	22 - 32.1	27.9 - 40.4	15	55
M 50 x 1.5	08.03 08 50	29.5 - 38.1	35.2 - 46.7	15	60
M 50 x 1.5	08.03 08 51	35.6 - 44	40.4 - 53	15	70
M 63 x 1.5	08.03 08 63	40.1 - 49.9	45.6 - 59.4	15	75
M 63 x 1.5	08.03 08 64	47.2 - 55.9	54.6 - 65.8	15	80

T3CDS, Ex Brass cable glands



Atmosphere	G/D
Equipment group	II
Category	2/3
Zone	1, 2, 21, 22
Type of ignition protection	Ex d, Ex e, Ex ta, Ex nR
Approvals	ATEX, IECEx, EAC (TR CU)
Material	Brass, nickelplated
Ingress protection	IP68
Cable types	single wire armour (SWA), aluminium wire armour (AWA), pliable wire armour (PWA), steel tape armour (STA), aluminium strip armour (ASA), screened flexible (EMC) wire braid (e.g. CY/SY), wire braid armour (e.g. SWB)
Temperature range	-60 °C to +130 °C
Certificates	SIRA13ATEX1073X, SIRA13ATEX4079X, IECEx SIR 13.0028X, IECEx SIM 14.0007X, TC RU C-GB.AA87.B.00487

Product type	Order no.	Cable Ø inside	Cable Ø outside	GL	SW
M 20 x 1.5	08.03 09 20	3.1 - 8.6	6.1 - 13.1	15	24
M 20 x 1.5	08.03 09 21	6.1 - 11.6	9.5 - 15.9	15	24
M 20 x 1.5	08.03 09 22	6.5 - 13.9	12.5 - 20.9	15	31
M 25 x 1.5	08.03 09 25	11.1 - 19.9	14 - 22	15	38
M 25 x 1.5	08.03 09 26	11.1 - 19.9	18.2 - 26.2	15	38
M 32 x 1.5	08.03 09 32	17 - 26.2	23.7 - 33.9	15	46
M 40 x 1.5	08.03 09 40	22 - 32.1	27.9 - 40.4	15	55
M 50 x 1.5	08.03 09 50	29.5 - 38.1	35.2 - 46.7	15	60
M 50 x 1.5	08.03 09 51	35.6 - 44	40.4 - 53	15	70
M 63 x 1.5	08.03 09 63	40.1 - 49.9	45.6 - 59.4	15	75
M 63 x 1.5	08.03 09 64	47.2 - 55.9	54.6 - 65.8	15	80

SW = Width across flats
GL = Thread length



Ex cable glands

C2K, Ex Brass cable glands



Atmosphere	G/D
Equipment group	II
Category	2/3
Zone	1, 2, 21, 22
Type of ignition protection	Ex e, Ex ta
Approvals	ATEX, IECEx, EAC (TR CU), INMETRO
Material	Brass, nickelplated
Ingress protection	IP68
Cable types	single wire armour (SWA), aluminium wire armour (AWA), pliable wire armour (PWA), steel tape armour (STA), wire braid armour (e.g. SWB), aluminium strip armour (ASA), screened flexible (EMC) wire braid (e.g. CY / SY), armoured & jacketed
Temperature range	-60 °C to +130 °C
Certificates	SIRA13ATEX1070X, SIRA13ATEX4076X, IECEX SIR 13.0025X TC RU C-GB.AA87.B.00487

Product type	Order no.	Cable Ø	GL	SW
M 20 x 1.5	08.03 10 20	6.1 x 11.5	15	24
M 20 x 1.5	08.03 10 22	12.5 x 20.9	15	30,5
M 25 x 1.5	08.03 10 25	14 x 22	15	37.5
M 25 x 1.5	08.03 10 26	18.2 x 26.2	15	37.5
M 32 x 1.5	08.03 10 32	23.7 x 33.9	15	46
M 40 x 1.5	08.03 10 40	27.9 x 40.4	15	55
M 50 x 1.5	08.03 10 51	40.4 x 53.1	15	70
M 63 x 1.5	08.03 10 64	54.6 x 65.9	15	80

PX2K, Ex Brass cable glands



Atmosphere	G/D
Equipment group	II
Category	2/3
Zone	1, 2, 21, 22
Type of ignition protection	Ex d, Ex e, Ex ta, Ex nR
Approvals	ATEX, IECEx, EAC (TR CU)
Material	Brass, nickelplated
Ingress protection	IP68
Cable types	for cables with compound barrier seal
Temperature range	-60 °C to +130 °C
Certificates	SIRA13ATEX1072X, SIRA13ATEX4078X, IECEX SIR 13.0027X, IECEX SIM 14.0008X, TC RU C-GB.AA87.B.00487

Product type	Order no.	Cable Ø	GL	SW
M 20 x 1.5	08.03 11 21	9.5 x 15.5	15	30.5
M 20 x 1.5	08.03 11 22	12.5 x 20.9	15	30.5
M 25 x 1.5	08.03 11 26	18.2 x 26.2	15	37.5
M 50 x 1.5	08.03 11 51	40.4 x 53.1	15	70

SW = Width across flats
GL = Thread length

Ex Cable glands

A2F, Ex e, d Brass cable glands



Atmosphere	G/D
Equipment group	II
Category	2/3
Zone	1, 2, 21, 22
Type of ignition protection	Ex d, Ex e, Ex ta, Ex nR
Approvals	ATEX, IECEx, INMETRO, EAC (TR CU)
Material	Brass, nickelplated
Ingress protection	IP66 to EN 60529, IP68 with additional sealing insert
Cable types	non-armoured cable, braided cables
Temperature range	-60 °C to +130 °C
Certificates	SIRA13ATEX1068X, SIRA13ATEX4074X, IECEx SIR 13.0023X, IECEx SIM 14.0006, TC RU C-GB.AA87.B.00487

Product type	Order no.	Cable Ø	GL	SW
M 20 x 1.5	08.03 05 20	3.2 - 8.7	15	24
M 20 x 1.5	08.03 05 21	6.1 - 11.7	15	24
M 20 x 1.5	08.03 05 22	6.5 - 14	15	27
M 25 x 1.5	08.03 05 25	11.1 - 20	15	36
M 32 x 1.5	08.03 05 32	17 - 26.3	15	41
M 40 x 1.5	08.03 05 40	23.5 - 32.2	15	50
M 50 x 1.5	08.03 05 50	31 - 38.2	15	55
M 50 x 1.5	08.03 05 51	35.6 - 44.1	15	60
M 63 x 1.5	08.03 05 63	41.5 - 50	15	70
M 63 x 1.5	08.03 05 64	47.2 - 56	15	75

HSK-INOX-Ex, Ex e Stainless steel cable glands



Atmosphere	G/D
Equipment group	II
Category	2/3
Zone	1, 2, 21, 22
Type of ignition protection	Ex e, Ex ta
Approvals	ATEX, IECEx, EAC (TR CU), INMETRO
Material	Stainless steel 1.4301/304
Ingress protection	IP68 to EN 60529
Cable types	non-armoured cables
Temperature range	-20 °C to +95 °C
Accessories	incl. entry thread sealing washer Material: Buna-N
Certificates	DMT 03 ATEX E 051X IECEx BVS 07.0019X RU C-DE.ГБ05.B.00077

Product type	Order no.	Cable Ø	GL	SW
M 12 x 1.5	08.04 02 12	3 - 6,5	6,5	14
M 16 x 1.5	08.04 02 16	5 - 10	6	20
M 20 x 1.5	08.04 02 20	10 - 14	6	24
M 25 x 1.5	08.04 02 25	13 - 18	7	30
M 32 x 1.5	08.04 02 32	20 - 25	8	41
M 40 x 1.5	08.04 02 40	22 - 33	8	50

SIB-TEC, Ex e Brass cable glands



Atmosphere	G/D
Equipment group	II
Category	2/3
Zone	1, 2, 21, 22
Type of ignition protection	Ex e, Ex ta
Approvals	ATEX, EAC (TR CU), INMETRO
Material	Brass, nickelplated
Ingress protection	IP66 to EN 60529, IP68 with additional sealing insert
Cable types	non-armoured cables
Temperature range	-40 °C to +100 °C
Accessories	incl. entry thread sealing washer Material: Nitrile
Certificates	LCIE 03 ATEX 6400 X RU C-FR.ГБ05.B.00955

Product type	Order no.	Cable Ø	GL	SW
M 12 x 1.5	08.02 05 12	4,5 - 6,5	5	14
M 16 x 1.5	08.02 05 16	5 - 9,5	5	17
M 20 x 1.5	08.02 05 20	8 - 13	6	22
M 25 x 1.5	08.02 05 25	9 - 16	7	27
M 32 x 1.5	08.02 05 32	12 - 21	8	34
M 40 x 1.5	08.02 05 40	16 - 27	8	42
M 50 x 1.5	08.02 05 50	23 - 35	9	55
M 63 x 1.5	08.02 05 63	36 - 48	10	65

SW = Width across flats
GL = Thread length



Ex Cable glands

HI-LYRA, Ex Polyamide cable glands



Atmosphere	G/D
Equipment group	II
Category	2/3
Zone	1, 2, 21, 22
Type of ignition protection	Ex e, Ex tb
Approvals	ATEX, IECEx, EAC (TR CU)
Material	Polyamide 6
Sealing insert	Silicone
Ingress protection	IP66 to EN 60529, IP68 to EN 60529
Colour	RAL 9005, jet black, RAL 5012, light blue
Cable types	non-armoured cables
Temperature range	-60 °C to +70 °C
Accessories	incl. entry thread sealing washer Material: Silicone
Certificates	IMQ 13 ATEX 010X IECEX IMQ 13.0003X RU C-TR.ГБ05.B.00840

Product type	Order no.	Cable Ø	GL	SW
M 12 x 1.5 black	08.01 11 12	4 - 6,5	15	15
M 16 x 1.5 black	08.01 11 16	5 - 8	10	19
M 20 x 1.5 black	08.01 11 20	7 - 12	10	24
M 25 x 1.5 black	08.01 11 25	12 - 17	10	29
M 32 x 1.5 black	08.01 11 32	16 - 21	10	36
M 40 x 1.5 black	08.01 11 40	23 - 32	18	53
M 50 x 1.5 black	08.01 11 50	31 - 38	18	60
M 63 x 1.5 black	08.01 11 63	35 - 44	18	65
M 12 x 1.5 blue	08.01 12 12	4 - 6,5	15	15
M 16 x 1.5 blue	08.01 12 16	5 - 8	10	19
M 20 x 1.5 blue	08.01 12 20	7 - 12	10	24
M 25 x 1.5 blue	08.01 12 25	12 - 17	10	33
M 32 x 1.5 blue	08.01 12 32	16 - 21	10	42
M 40 x 1.5 blue	08.01 12 40	23 - 32	18	53
M 50 x 1.5 blue	08.01 12 50	31 - 38	18	60
M 63 x 1.5 blue	08.01 12 63	35 - 44	18	65

SW = Width across flats
GL = Thread length

Ex Blind plugs

Ex e, d Blind plugs brass short



Atmosphere	G/D
Equipment group	II
Category	2/3
Zone	1, 2, 21, 22
Type of ignition protection	Ex e, Ex d, Ex tb
Approvals	ATEX, EAC (TR CU)
Material	Brass, nickelplated
Ingress protection	IP66 to EN 60529, IP68 with additional sealing insert
Temperature range	-40 °C to +100 °C
Accessories	incl. entry thread sealing washer Material: Neopren/Nitrile
Certificates	INERIS 09 ATEX 0059 X RU C-FR.ГБ05.B.00955

Product type	Order no.	GL	SW
M 12 x 1.5	08.02 08 12	12	14
M 16 x 1.5	08.02 08 16	12	18
M 20 x 1.5	08.02 08 20	12	23
M 25 x 1.5	08.02 08 25	12	29
M 32 x 1.5	08.02 08 32	12	39
M 40 x 1.5	08.02 08 40	15	45
M 50 x 1.5	08.02 08 50	15	58
M 63 x 1.5	08.02 08 63	19	70

757, Ex e, d Blind plugs brass long



Atmosphere	G/D
Equipment group	II
Category	2/3
Zone	1, 2, 21, 22
Type of ignition protection	Ex d, Ex e, Ex ta
Approvals	ATEX, IECEx, INMETRO, EAC (TR CU)
Material	Brass, nickelplated
Ingress protection	IP68
Temperature range	-60 °C to +130 °C
Accessories	incl. entry thread sealing washer Material: Viton
Certificates	SIRA13ATEX1265X IECEX SIR13.0094X TC RU C-GB.AA87.B.00487

Product type	Order no.	GL	SW
M 16 x 1.5	08.03 04 16	15	24
M 20 x 1.5	08.03 04 20	15	27
M 25 x 1.5	08.03 04 25	15	36
M 32 x 1.5	08.03 04 32	15	41
M 40 x 1.5	08.03 04 40	15	50
M 50 x 1.5	08.03 04 50	15	60
M 63 x 1.5	08.03 04 63	15	75

DRACO-HI, Ex PA Blind glands



Atmosphere	G/D
Equipment group	II
Category	2/3
Zone	1, 2, 21, 22
Type of ignition protection	Ex e, Ex tb
Approvals	ATEX, IECEx, EAC (TR CU), INMETRO
Material	Polyamide 6
Colour	RAL 9005, jet black
Ingress protection	IP68 to EN 60529
Temperature range	-60 °C to +70 °C
Accessories	incl. entry thread sealing washer Material: Silicone
Certificates	IMQ 13 ATEX 010X IECEX IMQ 13.0003X RU C-TR.ГБ05.B.00840

Product type	Order no.	GL	SW
M 12 x 1,5	08.01 14 12	8	15
M 16 x 1,5	08.01 14 16	10	19
M 20 x 1,5	08.01 14 20	10	23
M 25 x 1,5	08.01 14 25	10	28
M 32 x 1,5	08.01 14 32	15	36
M 40 x 1,5	08.01 14 40	18	46
M 50 x 1,5	08.01 14 50	18	55
M 63 x 1,5	08.01 14 63	18	69

SW = Width across flats
GL = Thread length



Other material Ex

Ex Stainless steel pressure equalisation element



Atmosphere	G/D
Equipment group	II
Category	2/3
Zone	1, 2, 21, 22
Type of ignition protection	Ex e, Ex tb
Approvals	ATEX
Material	1.4305 Stainless Steel
Ingress protection	IP66 to EN 60529
Temperature range	-40 °C to +100 °C
Air flow rate	0.4 l/min at 0.1 bar 5 l/min at 1 bar
Accessories	incl. entry thread sealing washer Material: Perbunan
Certificates	IBExU 10 ATEX 1169 U

Product type	Order no.	GL	SW
M12 x 1.5	08.50 11 12	10	17

CVE, Ex stainless steel drain plug



Atmosphere	G/D
Equipment group	II
Category	2/3
Zone	1, 2, 21, 22
Type of ignition protection	Ex e, Ex tb
Approvals	ATEX, IECEx, INMETRO, EAC (TR CU)
Material	Stainless steel 1.4571
Ingress protection	IP66 to EN 60529
Temperature range	-70 °C to +150 °C
Accessories	incl. entry thread sealing washer Material: Fluorosilicone
Certificates	Sira 10ATEX3279X IECEx SIR 09.0096X TC C-GB.ГБ06.В00105

Product type	Order no.	GL	SW
M 20 x 1.5	08.51 10 20	10	25

CVA, Ex brass drain plug



Atmosphere	G/D
Equipment group	II
Category	2/3
Zone	1, 2, 21, 22
Type of ignition protection	Ex e, Ex tb
Approvals	ATEX, IECEx, INMETRO, EAC (TR CU)
Material	Brass, nickelplated
Ingress protection	IP66 to EN 60529
Temperature range	-70 °C to +150 °C
Accessories	incl. entry thread sealing washer Material: Fluorosilicone
Certificates	Sira 10ATEX3279X IECEx SIR 09.0096X TC C-GB.ГБ06.В00105

Product type	Order no.	GL	SW
M 20 x 1.5	08.51 20 20	10	25

SW = Width across flats
GL = Thread length

Other material Ex

DPE, Ex Polyamide drain plug



Atmosphere	G/D
Equipment group	II
Category	2/3
Zone	1, 2, 21, 22
Type of ignition protection	Ex e, Ex tb
Approvals	ATEX, IECEx, EAC (TR CU)
Material	Polyamide
Ingress protection	IP66 to EN 60529
Temperature range	-30 °C to +85 °C
Certificates	SIRA99ATEX3050X IECEx SIR 08.0024X RU C-GB.ГБ06.B00106

Product type	Order no.	GL	SW
M 25 x 1.5	08.51 01 25	10	35

Brass counter nut



Material	Brass, nickelplated
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Product type	Order no.	SW
M 16 x 1.5	08.09 09 16	19
M 20 x 1.5	08.09 09 20	23
M 25 x 1.5	08.09 09 25	29
M 32 x 1.5	08.09 09 32	36
M 40 x 1.5	08.09 09 40	45
M 50 x 1.5	08.09 09 50	55
M 63 x 1.5	08.09 09 63	70

Polyamide counter nut



Material	Polyamide 6
Colour	light grey (RAL 7035)
Temperature range	-20 °C to +80 °C

Product type	Order no.	SW
M 12 x 1.5	08.09 07 12	18
M 16 x 1.5	08.09 07 16	22
M 20 x 1.5	08.09 07 20	26
M 25 x 1.5	08.09 07 25	32
M 32 x 1.5	08.09 07 32	41
M 40 x 1.5	08.09 07 40	50
M 50 x 1.5	08.09 07 50	60
M 63 x 1.5	08.09 07 63	75

CETUS, Mushroom plug



Equipment group	II
Category	2/3
Zone	1, 2, 21, 22
Type of ignition protection	Ex e, Ex tb
Approvals	ATEX, IECEx
Material	Polyamide 6
Colour	RAL 9005, jet black
Temperature range	-40 °C to +80 °C
Accessories	Nitrile O Ring and HDPE Filter as standard

Product type	Order no.
M 12 x 1,5	08.01 18 12
M 16 x 1,5	08.01 18 16
M 20 x 1,5	08.01 18 20
M 25 x 1,5	08.01 18 25
M 32 x 1,5	08.01 18 32
M 40 x 1,5	08.01 18 40
M 50 x 1,5	08.01 18 50
M 63 x 1,5	08.01 18 63

Only in combination with
HI-LYRA

SW = Width across flats
GL = Thread length



Other material Ex

Seals - Nylon



Material	Nylon, 2 mm
Colour	white
Temperature range	-60 °C to +130 °C

Product type

Order no.

M 16	08.00 10 16
M 20	08.00 10 20
M25	08.00 10 25
M 32	08.00 10 32
M 40	08.00 10 40
M 50	08.00 10 50
M 63	08.00 10 63

Only in combination with

E1FX
E1FW
E1FU
T3CDS
C2K
PX2K
A2F

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