



EMC SOLUTIONS

The EC Directive on electromagnetic compatibility applies to equipment and units that can generate/ receive electromagnetic waves - and liable to cause interferences, altering the correct functioning of electronic equipment installed in the cabinets.

Our products, not being a source of electromagnetic waves, go beyond the dispositions of the Directive, but they can act as a barrier of the electromagnetic waves which propagate from the internal and external source: this allows a significant damping of the electromagnetic field strength (both the electric and the magnetic components of the field) and, as a consequence, of the disturbance that they cause to the equipment.

BENEFITS

Structural features	High protection
Constructive concepts and performing materials	Customer support to comply with the Directive
Variety of solutions, cabinets and boxes	Flexibility
Compliance to the industry standards	Safety

EMC



CHARACTERISTICS

The profile used for uprights and crosspieces is unique, manufactured from high-strength low-alloy sheet steel, closed with continuous welding and free of sharp edges. The bottom is a single piece with box type structure manufactured from press-bent welded profiles of high-strength low-alloy sheet steel. The frame corners are manufactured in a special steel with orthogonal joints laser welded to vertical upright rails and horizontal rails for the roof and bottom. Only 8 high-strength low-alloy screws are necessary to mount the structure, while two position pins allow the easy mounting of the two parts of the joint.

PAINT FINISH

ETA standard finishing cycle: paint-based primer with deposition by cataphoresis with epoxy resin and finishing using thermosetting powders:

- door and rear panel (external): RAL 7035 textured finish
- roof (external): RAL 5020 textured finish.



ASSEMBLED E NUX CABINET

- structure manufactured from high-strength low-alloy galvanized sheet steel
- door manufactured from sheet steel, galvanized on both sides and painted only externally, with stiffening frame, complete with Ø 3 mm lever-operated double bar locking system
- rear panel and removable roof galvanized on both sides and painted only externally
- bottom manufactured from high-strength low-alloy galvanized sheet steel, provided with a single galvanized base plate
- shielding and conductive gasket positioned on the structure and the bottom.

E NUX CABINET

ASSEMBLED CABINET CODE	DIMENSIONS		
	WIDTH	HEIGHT	DEPTH
ENUX062006PRZ	600	2000	600
ENUX082006PRZ	800	2000	600
ENUX062008PRZ	600	2000	800
ENUX082008PRZ	800	2000	800

Further dimensions available on request.

For plexi door version, it is available on request a window manufactured from polycarbonate or methacrylate, with the internal part manufactured from a wire mesh that allows the vision of the internal instrumentation without altering significantly the offered shielding values.

PROTECTION RATING

NEMA 1 complying with UL508, UL50.

EMC cabinets tested at the Nemko SpA laboratory. For more details, refer to the Technical section on page 349.

JOINING KIT EUKU-002EMC

Used to join together E NUX EMC cabinets.

SUPPLY

Includes: 8 connection blocks - conductive, shielding and adhesive gasket - mounting accessories.



SIDE PANELS EUFI

CHARACTERISTICS

Manufactured from sheet steel with folded sides, galvanized on both sides and painted only externally.

PAINT FINISH

ETA standard finishing cycle: paint-based primer with deposition by cataphoresis with epoxy resin and finishing using thermosetting powders: Colour: RAL 7035 textured finish.

SUPPLY

- two side panels
- rapid fasten couplers
- mounting accessories.

Further dimensions are available upon request.

SIDE PANELS

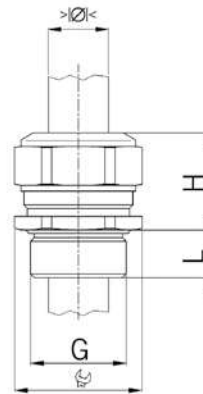
EUFI CODE	DIMENSIONS	
	HEIGHT	DEPTH
EUFI060200EMC	2000	600
EUFI080200EMC	2000	800

EMC

For your special projects, we offer a wide range of tested cable glands that have been designed to guarantee safe and performing solutions!

From simplified to complex and harsh applications areas, a specific solution for the cabling is available:


- 1 Generic industrial business
- 2 Transportation: high vibrating loads and high levels of chemical pollution
- 3 Marine industry: specific requirements
- 4 Electronically-controlled substations: EMC requirements
- 5 Food industries: anti-bacterial substances for high level of safety
- 6 Chemical industry and off-shore: potentially explosive atmospheres




STAINLESS STEEL CABLE GLANDS

Material: stainless steel
 Seal: TPE for A2; FPM for A4
 O-ring: NBR for A2; FPM for A4
 Strain relief: Ver. A
 Temperature range: -40° / + 100°C for A2; -40° / + 200°C for A4
 Protection rating: IP 68 up to 10 bar

STAINLESS STEEL CABLE GLANDS
 Long entry thread metric, two-piece sealing insert not overall length insulated

G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	CODE (STAINLESS STEEL A2)	CODE (STAINLESS STEEL A4)	M.o.q.
M16x1.5	6.0	10.5	19	20	10	WP17105X2	WP17105X4	50
M20x1.5	8.0	15.0	24	21	10	WP20150X2	WP20150X4	50
M25x1.5	12.5	20.5	30	25	11	WP25205X2	WP25205X4	25
M32x1.5	17.0	25.5	36	28	13	WP32255X2	WP32255X4	25
M40x1.5	24.0	33.0	46	31	13	WP40330X2	WP40330X4	10
M50x1.5	33.0	42.0	55	34	14	WP50420X2	WP50420X4	10
M63x1.5	40.0	52.0	70	37	14	WP63520X2	WP63520X4	5

 Stainless steel A4 is acid-resistant and suitable for high temperatures.

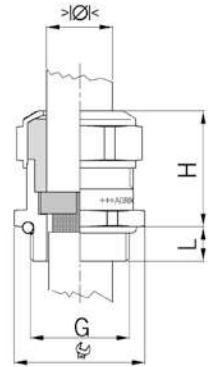
Harsh environments




CABLE GLANDS FOR EMC APPLICATIONS

This range guarantees full control during installation and compensates for tolerances in shielding thicknesses to make a secure screened tap connection. The spring system provides for a very good contact of partially stripped shielding cables equally as well as for the contact of completely exposed cable shields which can be routed further.

Material: nickel-plated brass
 Contact spring: steel 1.4310
 Seal: TPE
 O-ring: NBR
 Strain relief: according to IEC EN 6244, Ver. A
 Temperature range: -40° / + 100°C
 Protection rating: IP 68 / IP 69K



CABLE GLANDS FOR EMC APPLICATIONS
 Two-piece sealing insert, not overall length insulated

G	>Ø< min mm	>Ø< max mm	 mm	H mm	L mm	Code (short entry thread metric)	L mm	CODE (long entry thread metric)	M.o.q.	NOTE
M12x1.5	3.5	5.0	15	22	5	WP12050EC	10	WP12050EL	50	1
M12x1.5	5.0	6.5	15	22	5	WP12065EC	10	WP12065EL	50	1
M16x1.5	6.0	10.5	18	25	5	WP17105EC	10	WP17105EL	50	-
M20x1.5	8.0	15.0	24	27	6	WP20150EC	10	WP20150EL	50	-
M25x1.5	12.5	20.5	30	33	7	WP25205EC	11	WP25205EL	25	-
M32x1.5	17.0	25.5	36	33	8	WP32255EC	13	WP32255EL	25	-
M40x1.5	24.0	33.0	46	38	8	WP40330EC	13	WP40330EL	10	2
M50x1.5	33.0	42.0	55	42	9	WP50420EC	14	WP50420EL	10	2
M63x1.5	40.0	52.0	70	42	10	WP63520EC	14	WP63520EL	5	2

1 - one piece sealing insert
 2 - approval pending

FURTHER OPTIONS AVAILABLE



CABLE GLANDS FOR FOOD INDUSTRY

Ultra-flat cable glands offering very little surface for contamination; manufactured from stainless steel A2, temperature range -40°/+200° and protection rating IP68. Available with or without EHEDG certification.

CABLE GLANDS FOR OUTDOOR APPLICATIONS

Ultra-flat cable glands inhibiting any manipulation from outside, with no contact surface for interference. Manufactured from nickel-plated brass, temperature range -40°/+100° and protection rating IP68.



CABLE GLANDS FOR POTENTIALLY EXPLOSIVE ATMOSPHERES

Cable glands designed for Ex d IIC and increased safety Ex e II applications; manufactured in nickel-plated brass (stainless steel version available on request), temperature range -60°/+100°, protection rating IP68.
 Certificate: EC-Type PTB 10 ATEX 1034X / IECEx PTB 12.0055
 Certificate: SEV 15 ATEX 0152X / IECEx SEV 15.0019X

For any further request, do not hesitate to contact our Sales team.

Harsh environments