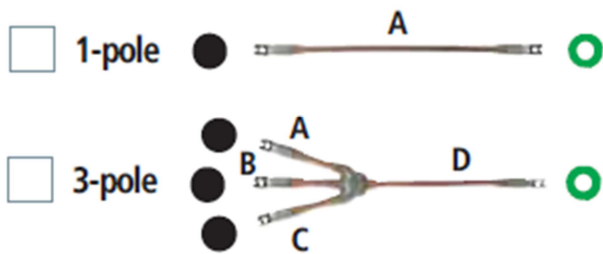


Työmaadoitusvälineen valinta – Tarvittavat tiedot

1. Kojeistoon vai avojohtoon?

2. 1- vai 3-vaiheinen työmaadoitusväline?

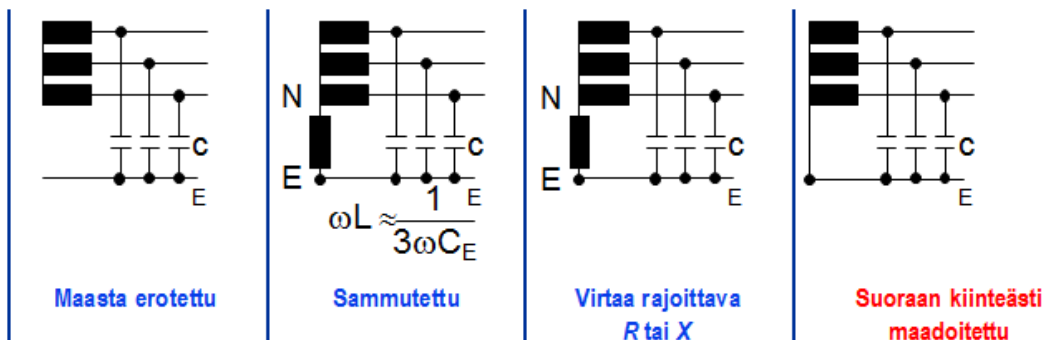
- => jännitteinen puoli (vaihe)
○ => maadoituspiste



3. Oikosulkuvirtakestoisuus vaatimus?

3 Cross-section of the copper cable:	Max. short-circuit current I _k for a duration of	
	≤ 0.5 s	1 s
<input type="checkbox"/> 16 mm ²	4.5 kA	3.2 kA
<input type="checkbox"/> 25 mm ²	7.0 kA	4.9 kA
<input type="checkbox"/> 35 mm ²	10.0 kA	6.9 kA
<input type="checkbox"/> 50 mm ²	14.0 kA	9.9 kA
<input type="checkbox"/> 70 mm ²	19.5 kA	13.8 kA
<input type="checkbox"/> 95 mm ²	26.5 kA	18.7 kA
<input type="checkbox"/> 120 mm ²	33.5 kA	23.7 kA
<input type="checkbox"/> 150 mm ²	42.0 kA	29.6 kA

4. Nolla –järjestelmä:



5. Kaapeleiden pituudet?

4 Cable lengths:		
A	mm	From 200 up to 6000 mm at intervals of 50 mm
B	mm	From 200 up to 6000 mm at intervals of 50 mm
C	mm	From 200 up to 6000 mm at intervals of 50 mm
D	mm	From 300 up to 25000 mm at intervals of 50 mm

6. Miten liitytään vaiheisiin? / valitse vaiheliitin (katso liitinvalikko s2):

5 ● Phase connecting element (see easy choice):

Type or Part No.

7. Miten liitytään maahan? / valitse maadoitusliitin (katso liitinvalikko alla s.3):

6 ○ Earth connecting element (see easy choice):

Type or Part No.













8. Tarvitaanko maadoitussauvaa?











7 Accessories (optional) (see easy choice):

Earthing stick










Type or Part No.








Vaiheleitinvalikko kojeistoihin:

Phase Connecting Elements for Switchgear Installations:									
Design		Type	Part No.	Clamping range \varnothing	Collar width Clamping range	Rd / Fl Clamping range	Max. cable cross-section	Max. short- circuit current I_k 0.5 s	Max. short- circuit current I_k 1 s
SK	SQ								
		KKH 20 D SK	772 330	$\varnothing 20$ mm	–	–	16-120 mm ²	33.5 kA	23.7 kA
		KKH 20 D SQ	772 331	$\varnothing 20$ mm	–	–	16-120 mm ²	33.5 kA	23.7 kA
		KKH 20 SK	772 310	$\varnothing 20$ mm	–	–	16-120 mm ²	33.5 kA	23.7 kA
		KKH 20 SQ	772 311	$\varnothing 20$ mm	–	–	16-120 mm ²	33.5 kA	23.7 kA
		KKH 25 D SK	772 340	$\varnothing 25$ mm	–	–	16-150 mm ²	42.0 kA	29.6 kA
		KKH 25 D SQ	772 341	$\varnothing 25$ mm	–	–	16-150 mm ²	42.0 kA	29.6 kA
		KKH 25 SK	772 320	$\varnothing 25$ mm	–	–	16-150 mm ²	42.0 kA	29.6 kA
		KKH 25 SQ	772 321	$\varnothing 25$ mm	–	–	16-150 mm ²	42.0 kA	29.6 kA
		UK 25 SK	773 034	$\varnothing 20/25$ mm	15 mm (-95 mm ²)	20 mm (-70 mm ²)	16-120 mm ²	33.5 kA	23.7 kA
		UK 25 SQ	773 234	$\varnothing 20/25$ mm	15 mm (-95 mm ²)	20 mm (-70 mm ²)	16-120 mm ²	33.5 kA	23.7 kA
		UK 30 SK	773 130	$\varnothing 25/30$ mm	18 mm (-95 mm ²)	30 mm (-70 mm ²)	16-120 mm ²	33.5 kA	23.7 kA
		UK 30 SQ	773 330	$\varnothing 25/30$ mm	18 mm (-95 mm ²)	30 mm (-70 mm ²)	16-120 mm ²	33.5 kA	23.7 kA











Earthing Sticks for Switchgear Installations:									
Design	Type	Part No.	Length l_G	Max. load on operating head	Design	Type	Part No.	Length l_G	Max. load on operating head
	ES SK 1000	761 010	1000 mm	35 kg		ES SQ 1000	761 011	1000 mm	35 kg
	ES SK 1500	761 015	1500 mm	35 kg		ES SQ 1500	761 016	1500 mm	35 kg
	ES SK STK 1000	761 001	1000 mm	35 kg		ES SQ STK 1000	761 002	1000 mm	35 kg
	ES SK STK 2000	761 003	2000 mm	20 kg		ES SQ STK 2000	761 004	2000 mm	20 kg
	ES SK STK 920	761 070	920 mm	35 kg		ES SQ STK 920	761 075	920 mm	35 kg

Vaiheleitinvalikko avojohtoihin:




Phase Connecting Elements for Overhead Lines:									
Design		Type	Part No.	Clamping range \varnothing	Collar width Clamping range	Rd / Fl Clamping range	Max. cable cross-section	Max. short- circuit current I_k 0.5 s	Max. short- circuit current I_k 1 s
SQL									
		PSK 4 30 SQL	784 201	–	–	$\varnothing 4-30$ mm	16-70 mm ²	19.5 kA	13.8 kA
		PSK 10 65 SQL	784 301	–	–	$\varnothing 10-65$ mm	16-120 mm ²	33.5 kA	23.7 kA
		PSK 4 30 SQL EH	784 401	–	–	$\varnothing 4-30$ mm	16-70 mm ²	19.5 kA	13.8 kA
		PSK 10 65 SQL EH	784 501	–	–	$\varnothing 10-65$ mm	16-120 mm ²	33.5 kA	23.7 kA
		PSK FV 4 30 SQL	784 480	–	–	$\varnothing 4-30$ mm	16-70 mm ²	19.5 kA	13.8 kA
		PSK 10 85 SQL	784 085	–	–	$\varnothing 10-85$ mm	16-150 mm ²	29.6 kA	29.6 kA
		PSK 10 32 SQL	784 032	–	–	$\varnothing 10-32$ mm	16-95 mm ²	18.7 kA	18.7 kA
		PSK 10 32 SQL SB	784 038	–	–	$\varnothing 10-32$ mm	16-95 mm ²	18.7 kA	18.7 kA
		KKH 20 SQL	772 314	$\varnothing 20$ mm	–	–	16-120 mm ²	33.5 kA	23.7 kA
		KKH 25 SQL	772 324	$\varnothing 25$ mm	–	–	16-150 mm ²	42.0 kA	29.6 kA
		UK 25 SQL	773 236	$\varnothing 20/25$ mm	15 mm (-95 mm ²)	20 mm (-70 mm ²)	16-120 mm ²	33.5 kA	23.7 kA
		UK 30 SQL	773 331	$\varnothing 25/30$ mm	18 mm (-95 mm ²)	30 mm (-70 mm ²)	16-120 mm ²	33.5 kA	23.7 kA

Earthing Sticks for Overhead Lines:									
Design	Type	Part No.	Length l_G	Max. load on operating head	Design	Type	Part No.	Length $l_{G \max} / l_{G \min}$	Max. load on operating head
	EST KS SQL 1500 Pos. No. 1	1x 769 503	1500 mm	35 kg		ESTC SQL STK 3000	769 300	3000 mm/ 1670 mm	18 / 35 kg
	Pos. No. 1 + 3	1x 769 503 1x 769 504	3000 mm	30 kg					
	Pos. No. 1 + 2 + 3	1x 769 503 1x 769 504 1x 769 505	4500 mm	15 kg		ESTC SQL 4000	769 400	4000 mm/ 2170 mm	12 / 35 kg
	Pos. No. 1 + 2 + 2 + 3	1x 769 503 2x 769 504 1x 769 505	6000 mm	8 kg		ESTC SQL 5000	769 500	5000 mm/ 2670 mm	10 / 35 kg

Maadoitusliitinvalikko:

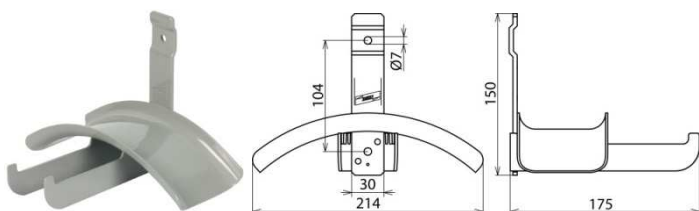
Earth Connecting Elements:								
Design	Type	Part No.	Clamping range	Collar width	Rd / Fl	Max. cable cross-section	Max. short-circuit current	Max. short-circuit current
			\varnothing	Clamping range	Clamping range		I_k 0.5 s	I_k 1 s
	UEK 25 FS	774 034	\varnothing 20/25 mm	15 mm (-95 mm ²)	20 mm (-70 mm ²)	16-120 mm ²	33.5 kA	23.7 kA
	UEK 30 FS	774 130	\varnothing 25/30 mm	18 mm (-95 mm ²)	30 mm (-70 mm ²)	16-120 mm ²	33.5 kA	23.7 kA
	UEK 25 HG	774 234	\varnothing 20/25 mm	15 mm (-95 mm ²)	20 mm (-70 mm ²)	16-120 mm ²	33.5 kA	23.7 kA
	UEK 30 HG	774 330	\varnothing 25/30 mm	18 mm (-95 mm ²)	30 mm (-70 mm ²)	16-120 mm ²	33.5 kA	23.7 kA
	UEK 25 SKN	774 434	\varnothing 20/25 mm	15 mm (-95 mm ²)	20 mm (-70 mm ²)	16-120 mm ²	33.5 kA	23.7 kA
	UEK 30 SKN	774 530	\varnothing 30 mm	18 mm (-95 mm ²)	30 mm (-70 mm ²)	16-120 mm ²	33.5 kA	23.7 kA
	KKH 20 FS	772 312	\varnothing 20 mm	–	–	16-120 mm ²	33.5 kA	23.7 kA
	KKH 25 FS	772 322	\varnothing 25 mm	–	–	16-150 mm ²	42.0 kA	29.6 kA
	KKH 20 HG	772 313	\varnothing 20 mm	–	–	16-120 mm ²	33.5 kA	23.7 kA
	KKH 25 HG	772 323	\varnothing 25 mm	–	–	16-150 mm ²	42.0 kA	29.6 kA
Design	Type	Part No.	Dimensions		Clamping range Fl	Max. cable cross-section	Max. short-circuit current I_k 0.5 s	Max. short-circuit current I_k 1 s
	EAS EK FM 12	775 621	M12		–	16-150 mm ²	42.0 kA	29.6 kA
	EAS EK FM 16	775 631	M16		–	16-150 mm ²	42.0 kA	29.6 kA
	EAS EK FS 12	775 626	M12 x 15 mm		–	16-150 mm ²	42.0 kA	29.6 kA
	EAS EK FS 16	775 636	M16 x 15 mm		–	16-150 mm ²	42.0 kA	29.6 kA
	EAB RN 16 FS	790 150	\varnothing 16 mm		–	16-150 mm ²	42.0 kA	29.6 kA
	EAB RN 16 SKN	790 160	\varnothing 16 mm		–	16-150 mm ²	29.6 kA	29.6 kA
	EFK FL40 SKN	792 190	–		40 mm	16-95 mm ²	26.5 kA	18.7 kA
	EFK FL30 SKN	792 030	–		30 mm	16-50 mm ²	14.0 kA	9.9 kA

Yleisliittimen liitântäulukko:

Clamping range and maximum cable cross-section of universal clamps used for:					
Fixed ball point \varnothing	T Pin Collar width	Rd / Fl Clamping range	Max. cable cross-section	Max. short-circuit current I_k 0.5 s	Max. short-circuit current I_k 1 s
					
20 / 25 / 30 mm	15 / 18 mm	20 / 30 mm	16 mm ²	4.5 kA	3.2 kA
20 / 25 / 30 mm	15 / 18 mm	20 / 30 mm	25 mm ²	7.0 kA	4.9 kA
20 / 25 / 30 mm	15 / 18 mm	20 / 30 mm	35 mm ²	10.0 kA	6.9 kA
20 / 25 / 30 mm	15 / 18 mm	20 / 30 mm	50 mm ²	14.0 kA	9.9 kA
20 / 25 / 30 mm	15 / 18 mm	20 / 30 mm	70 mm ²	19.5 kA	13.8 kA
20 / 25 / 30 mm	15 / 18 mm	–	95 mm ²	26.5 kA	18.7 kA
– / 25 / 30 mm	–	–	120 mm ²	33.5 kA	23.7 kA
–	–	–	150 mm ²	42.0 kA	29.6 kA

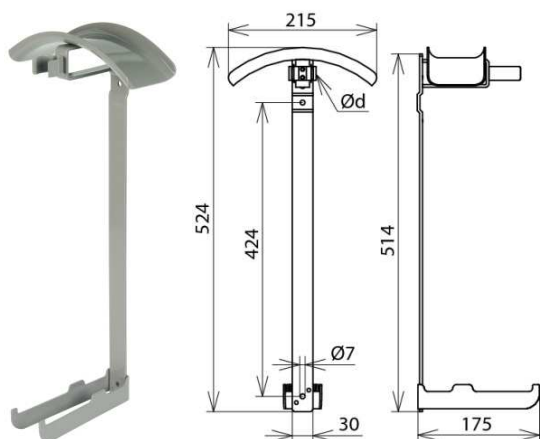
Lisätarvikkeet:

Seinäteline työmaadoitusvälineelle ja 30 / 43mm paksuiselle eristyssauvalle (pituus max. 1500mm)



Tyyppi: HV EKV ES30 1500
DEHN koodi: 700 003
STK numero: 64 147 59

Seinäteline työmaadoitusvälineelle ja 30 / 43mm paksuiselle eristyssauvalle



Tyyppi: HV EKV ES30 HV EKV ES40
DEHN koodi: 700 000 700 002
Eristyssauvan paksuus: 30mm 43mm

Kantolaukku työmaadoitusvälineille



Tyyppi: STT 55 27 30
DEHN koodi: 785 111
Mitat: 550 x 255 x 300mm

Työmaadoitusvälineen valinta_tarvittavat tiedot_1114