

SAFETY EQUIPMENT Three-pole Earthing and Short-circuiting Devices Type TI

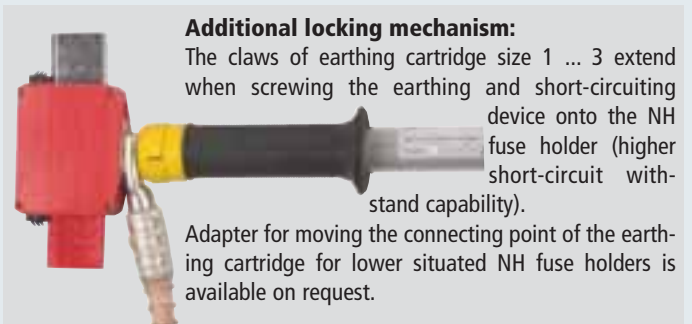
EQUIPMENT FOR VOLTAGES UP TO 1000 V Kit for low-voltage installations, partly insulated, Type TI

EN/IEC 61230 (DIN VDE 0683 Part 100)



Installation of the the partly insulated earthing and short-circuiting device using earthing handle Type TI

- Complete kit for cable distribution cabinets
- Safe operation with insulated earthing handle TI (with dual function), suitable both for installing and removing earthing cartridges with M10 connection as well as for installing the earthing and short-circuiting device (E+S device)
- Waterproof, plastic-sheathed cable entry and node unit, with additional protection against twisting

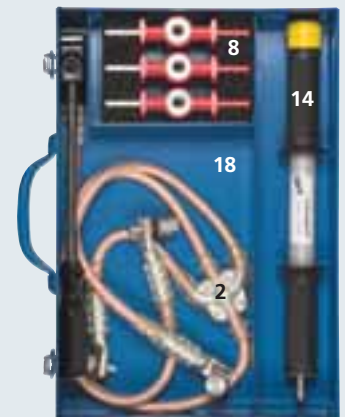


Additional locking mechanism:

The claws of earthing cartridge size 1 ... 3 extend when screwing the earthing and short-circuiting device onto the NH fuse holder (higher short-circuit withstand capability).

Adapter for moving the connecting point of the earthing cartridge for lower situated NH fuse holders is available on request.

Type	Dimensions	Part No.	
A Kit I – Partly insulated Version in a Sheet Metal Case			
Standard kit includes:			
Pos.	Qty.	Description	Part No.
2	1	Earthing and short-circuiting device, partly insulated, 25 mm ²	745 426
8	3	Earthing cartridges size 1 ... 3	745 018
14	1	Earthing handle Type TI	745 400
18	1	Sheet metal case	766 300
EKS TI KVS SBK	380 x 260 x 80 mm	766 302	



B Kit II – Partly insulated Version in a Sheet Metal Case			
Standard kit includes:			
Pos.	Qty.	Description	Part No.
3	2	Earthing and short-circuiting device, partly insulated, 25 mm ²	745 458
7	3	Earthing cartridges size 00	745 302
8	6	Earthing cartridges size 1 ... 3	745 018
9	3	Earthing screw inserts size E33	745 202
11	2	Earth clamps, insulated	745 602
14	1	Earthing handle Type TI	745 400
19	1	Sheet metal case	766 298
EKS TI 2F KVS SBK	440 x 330 x 66 mm	745 500	

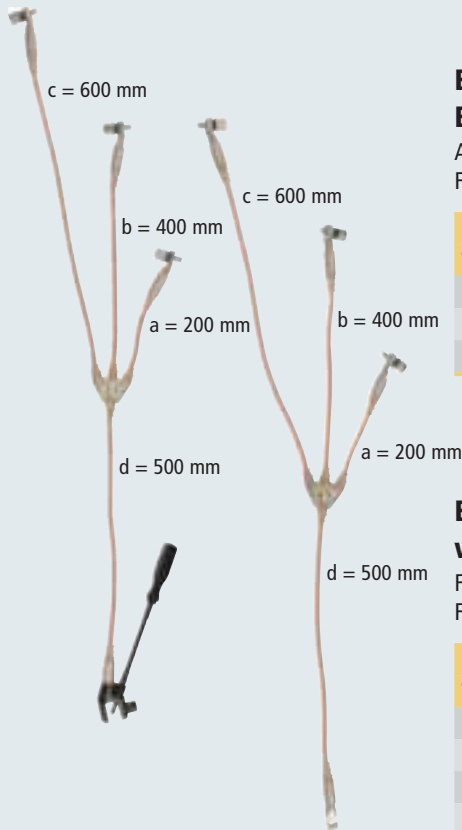


Other cable lengths or customised kits are available on request.

Single Parts of three-pole Earthing and Short-circuiting Devices, Type TI

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Earthing and Short-circuiting Device Type TI, Earth Clamp with flexible adjustable Handle

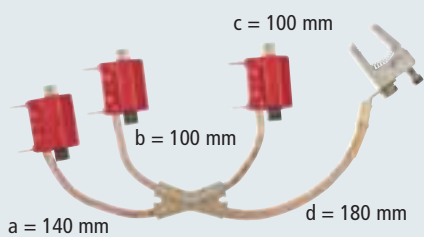
Adjustable handle with 2 positions, clamping range up to 20 mm
For cable distribution cabinets

Type	Cable cross section	Max. short-circuit current I_k 1 s	Position	Part No.
EKV3 25 TI KVS DGF	25 mm ²	4.9 kA	2	745 426
EKV3 35 TI KVS DGF	35 mm ²	6.9 kA		745 436
EKV3 50 TI KVS DGF	50 mm ²	9.9 kA		745 451

Earthing and Short-circuiting Device Type TI, with Hook-shaped Cable Lug

For optional installation of earth clamps, Part No. 745 602 or 745 502
For cable distribution cabinets

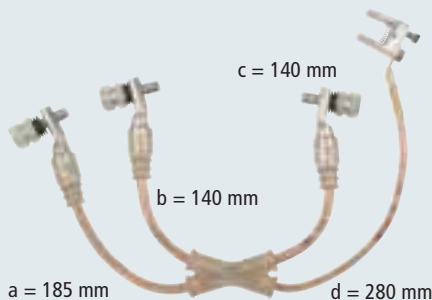
Type	Cable cross section	Max. short-circuit current I_k 1 s	Position	Part No.
EKV3 16 TI KVS HKS	16 mm ²	3.2 kA		745 459
EKV3 25 TI KVS HKS	25 mm ²	4.9 kA	3	745 458
EKV3 35 TI KVS HKS	35 mm ²	6.9 kA		745 460
EKV3 50 TI KVS HKS	50 mm ²	9.9 kA		745 461



Earthing and Short-circuiting Device Type TI, with Spring-loaded Earth Clamp

Clamping range up to 24 mm and installation with adjustable handle, Part No. 745 921
Fixed earthing cartridges size 00 on the phase side
For service entrance boxes

Type	Cable cross section	Max. short-circuit current I_k 1 s	Part No.
EKV3 NH00 TI EK24	16 mm ²	3.2 kA	745 817



Earthing and Short-circuiting Device Type TI, with Spring-loaded Earth Clamp

Clamping range up to 24 mm and installation with adjustable handle, Part No. 745 921
Screw cable lugs with M10 hexagon bolt on the phase side
For installation on earthing cartridges with M10 terminal at service entrance boxes

Type	Cable cross section	Max. short-circuit current I_k 1 s	Part No.
EKV3 SKB M10 TI EK24	16 mm ²	3.2 kA	745 816

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Single Parts of three-pole Earthing and Short-circuiting Devices, Type TI

Earthing Cartridges NH 00

With M10 terminal for insertion into NH fuse holders and blocks, size NH 00
For use with earthing handle type TI

Type	Size	Max. cable cross section	Max. short-circuit current I_k 1 s	Position	Part No.
EP NH00 TI M10	00	35 mm ²	6.9 kA	7	745 302



Earthing Cartridges NH 1 ... 3

With M10 terminal for insertion into NH fuse holders and blocks, sizes NH 1 ... 3
For use with earthing handle type TI

Type	Size	Max. cable cross section	Max. short-circuit current I_k 1 s	Position	Part No.
EP NH1 3 TI M10	1 ... 3	35 mm ²	6.9 kA	8	745 018



Earthing Cartridges NH 4a

With M10 terminal for insertion into NH fuse holders and blocks, size NH 4a
For use with earthing handle type TI (Part No. 745 400/S03)

Type	Size	Max. cable cross section	Max. short-circuit current I_k 1 s	Part No.
EP NH4A TI M10	4a	35 mm ²	6.9 kA	745 016



Earthing Cartridges NH 1 ... 3 with additional Locking Mechanism

With M10 terminal
The claws of the earthing cartridges spread out when the earthing and short-circuiting device is connected to the NH fuse holder and thus allow for higher short-circuit withstand capability

Type	Size	Max. cable cross section	Max. short-circuit current I_k 1 s	Part No.
EP NH1 3 TI A M10	1 ... 3	50 mm ²	9.9 kA	745 401



Earthing Cartridges NH 1 ... 3 with Grip Lugs

With M10 terminal for use with earthing handle type TI or NH fuse handle with sleeve,
Part No. 785 645

Type	Size	Max. cable cross section	Max. short-circuit current I_k 1 s	Part No.
EP NH1 3 TI GL M10	1 ... 3	35 mm ²	6.9 kA	745 017



Screw-in Earthing Insert with M10 Terminal

Insulated thread
For screwing into E27 and E33 threaded fuse holders using earthing handle type TI

Type	Size	Contact pin	Thread	Max. cable cross section	Max. short-circuit current I_k 1 s	Position	Part No.
ESE E27 TI M10	E27	Ms/gal CuSn	plastic	25 mm ²	4.9 kA		745 201
ESE E33 TI M10	E33	Ms/gal CuSn	plastic	25 mm ²	4.9 kA	9	745 202



Screw-in Earthing Insert with M10 Terminal

Conductive thread
For screwing into E27 and E33 threaded fuse holders using earthing handle type TI

Type	Size	Contact pin	Thread	Max. cable cross section	Max. short-circuit current I_k 1 s	Part No.
ESE E27 KBI M10	E27	plastic	Ms/gal CuSn	25 mm ²	4.9 kA	745 203
ESE E33 KBI M10	E33	plastic	Ms/gal CuSn	25 mm ²	4.9 kA	745 204

Single Parts of three-pole Earthing and Short-circuiting Devices, Type TI

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Earth Clamp with flexible adjustable Handle and two Setting Positions

For earth connection to earthing and short-circuiting devices for cable distribution cabinets, with M8 terminal bolt, protection against twisting and nut

Type	Clamping range	Position	Part No.
EK I FL20 DGF	up to 20 mm	11	745 602



Earth Clamp, bare, with Wing Bolt

For earth connection to earthing and short-circuiting devices for cable distribution cabinets, with M8 terminal bolt, protection against twisting and nut

Type	Clamping range	Position	Part No.
EK FL20 FS	up to 20 mm		745 502

Earthing Handle Type TI

With dual function

- For installing earthing cartridges or screw-in earthing inserts with M10 terminal
- For connecting earthing and short-circuiting devices type TI to earthing cartridges (socket wrench insert width A/F 19)



Type	Length	Position	Part No.
EG TI EKV	355 mm	14	745 400

Adjustable Handle with flexible Shaft

With magnetic socket wrench insert

For connecting the spring-loaded earth clamp



Type	Length	Position	Part No.
DGF EKV VI	270 mm	15	745 921



Sheet Metal Case, empty

Type	Colour	Dimensions	Position	Part No.
SBKL EKS TI KVS	●	440 x 330 x 66 mm	18	766 300



Sheet Metal Case, empty

With foam padding

Type	Colour	Dimensions	Position	Part No.
SBKL EKS TI KVS 2F	●	380 x 260 x 80 mm	19	766 298