

EaS Devices (fully insulated) for LV Cable Distribution Cabinets

Work according to the 5 Safety Rules

Kit for Low-Voltage Installations



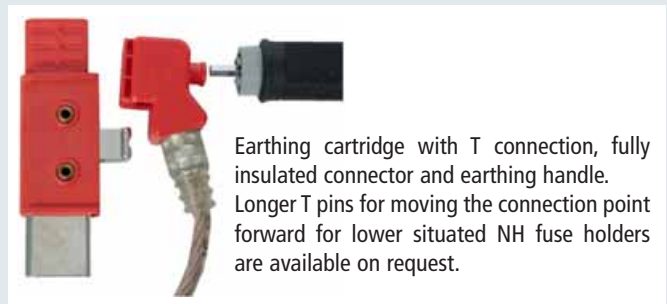
Attaching a fully insulated earthing and short-circuiting device using an earthing handle of type VI

General Information:

| | |
|-------------------|---------------------------------|
| Standard | EN/IEC 61230 (DIN VDE 0683-100) |
| Temperature range | - 25 °C ... + 55 °C |

4. Carry out Earthing and Short-Circuiting – EaS Devices

- Fully insulated, shock-proof version
- Fully equipped kit for cable distribution cabinets
- Safe operation with insulated earthing handle of type VI (with dual function), suitable for both inserting and removing earthing cartridges with T connection as well as for attaching earthing and short-circuiting devices (EaS devices)
- Waterproof, plastic-sheathed cable entries and node unit, with additional anti-kink protection
- Other cable lengths can be selected online via the earthing and short-circuiting configurator



Earthing cartridge with T connection, fully insulated connector and earthing handle. Longer T pins for moving the connection point forward for lower situated NH fuse holders are available on request.

Kit in Plastic Case



| Kit includes: | | | |
|---------------|------------|----------|------------|
| Pos. No. | Part No. | Pos. No. | Part No. |
| 1 | 1x 745 902 | 5 | 6x 745 910 |
| 3 | 2x V162LDM | 6 | 1x 745 922 |
| 4 | 3x 745 905 | | |

For more detailed information on these products, see Single Parts

| | |
|-------------------------------|--------------------|
| Type | EKS VI 2F KVS KK |
| Part No. | 745 903 |
| Variant No. of the EaS device | V162LDM |
| Dimensions | 450 x 350 x 110 mm |

Note: When ordering, please specify a clear Variant No.

Kit in Sheet Metal Case



| Kit includes: | | | |
|---------------|------------|----------|------------|
| Pos. No. | Part No. | Pos. No. | Part No. |
| 2 | 1x 745 900 | 5 | 6x 745 910 |
| 3 | 2x V162LDM | 6 | 1x 745 922 |
| 4 | 3x 745 905 | | |

For more detailed information on these products, see Single Parts

| | |
|-------------------------------|--------------------|
| Type | EKS VI 2F KVS SBK |
| Part No. | 745 901 |
| Variant No. of the EaS device | V162LDM |
| Dimensions | 440 x 330 x 100 mm |

Note: When ordering, please specify a clear Variant No.

Work according to the 5 Safety Rules

EaS Devices (fully insulated) for LV Cable Distribution Cabinets**4. Carry out Earthing and Short-Circuiting – EaS Devices****Single Parts****Plastic Case, empty**

With foam padding

| | |
|------------|--------------------|
| Type | KKL EKS VI KVS |
| Part No. | 745 902 |
| Dimensions | 450 x 350 x 110 mm |

**Sheet Metal Case, empty**

With foam padding

| | |
|------------|--------------------|
| Type | SBKL EKS VI KVS |
| Part No. | 745 900 |
| Dimensions | 440 x 330 x 100 mm |

**Earthing and Short-Circuiting Device VI, Earth Clamp with flexible adjustable Handle**

Adjustable handle with two positions, clamping range up to 20 mm, for cable distribution cabinets

| Type | EKV3 25VI DG | EKV3 35VI DG |
|---|-----------------------|-----------------------|
| Variant No. | V162LDM | VE5K3HM |
| Cable cross-section | 25/25 mm ² | 35/35 mm ² |
| Max. short-circuit current I _k 0.5 s | 7.0 kA | 10.0 kA |
| Max. short-circuit current I _k 1 s | 4.9 kA | 6.9 kA |

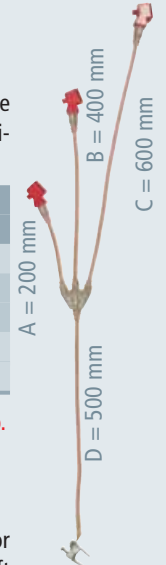
Note: When ordering, please specify a clear Variant No.

**Earthing and Short-Circuiting Device VI, spring-loaded Earth Clamp**

Clamping range up to 24 mm, installation via adjustable handle (Part No. 745 921), for cable distribution cabinets

| Type | EKV3 25VI EK | EKV3 35VI EK |
|---|-----------------------|-----------------------|
| Variant No. | VMRSJWD | VEH4JQY |
| Cable cross-section | 25/25 mm ² | 35/35 mm ² |
| Max. short-circuit current I _k 0.5 s | 7.0 kA | 10.0 kA |
| Max. short-circuit current I _k 1 s | 4.9 kA | 6.9 kA |

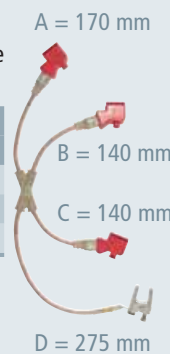
Note: When ordering, please specify a clear Variant No.

**Earthing and Short-Circuiting Device VI, spring-loaded Earth Clamp**

Clamping range up to 24 mm, installation via adjustable handle (Part No. 745 921), for service entrance boxes

| Type | EKV3 16VI EK |
|---|-----------------------|
| Variant No. | VZPW9LG |
| Cable cross-section | 16/16 mm ² |
| Max. short-circuit current I _k 0.5 s | 4.5 kA |
| Max. short-circuit current I _k 1 s | 3.2 kA |

Note: When ordering, please specify a clear Variant No.

**Spring-loaded compact Clamp**

With T connection and hexagon bolt (width A/F 10) for use with VI earthing handle and fixing via flexible shaft

| Type | KK TA 0 24 SK10 |
|---|-----------------|
| Part No. | 745 503 |
| Clamping range | Up to 24 mm |
| Max. short-circuit current I _k 0.5 s | 10.0 kA |
| Max. short-circuit current I _k 1 s | 6.9 kA |

**VI Earthing Handle**

With dual function

- For installing earthing cartridges with T connection into NH fuse holders
- For connecting VI earthing and short-circuiting devices to earthing cartridges

| Type | EG 00 4A VI |
|----------|-------------|
| Part No. | 745 922 |
| Length | 285 mm |

**Adjustable Handle with flexible Shaft**

With magnetic socket wrench insert

For connecting spring-loaded earth clamps

| Type | DGF EKV VI |
|----------|------------|
| Part No. | 745 921 |
| Length | 290 mm |

**Plastic Case, empty**

With foam padding and hook-and-loop fastener

| Type | KK 56 41 17 EK VI TI |
|------------|----------------------|
| Part No. | 745 952 |
| Dimensions | 565 x 410 x 170 mm |

**NH 00 Earthing Cartridges**

With T connection for installation into NH fuse holders and blocks of size NH 00

For use with VI earthing handle

| Type | EP NH00 VI TA |
|---|--------------------|
| Part No. | 745 905 |
| Size | 00 |
| Max. cable cross-section | 35 mm ² |
| Max. short-circuit current I _k 0.5 s | 10.0 kA |
| Max. short-circuit current I _k 1 s | 6.9 kA |

**NH 1 ... 3 Earthing Cartridges**

With T connection for installation into NH fuse holders and blocks of size NH 1 ... 3

For use with VI earthing handle

| Type | EP NH1 3 VI TA |
|---|--------------------|
| Part No. | 745 910 |
| Size | 1 ... 3 |
| Max. cable cross-section | 35 mm ² |
| Max. short-circuit current I _k 0.5 s | 10.0 kA |
| Max. short-circuit current I _k 1 s | 6.9 kA |

**NH 4a Earthing Cartridges**

| Type | EP NH4A VI TA |
|---|--------------------|
| Part No. | 745 915 |
| Size | 4a |
| Max. cable cross-section | 35 mm ² |
| Max. short-circuit current I _k 0.5 s | 10.0 kA |
| Max. short-circuit current I _k 1 s | 6.9 kA |



EaS Devices (partly insulated) for LV Cable Distribution Cabinets Work according to the 5 Safety Rules

Kit for Low-Voltage Installations



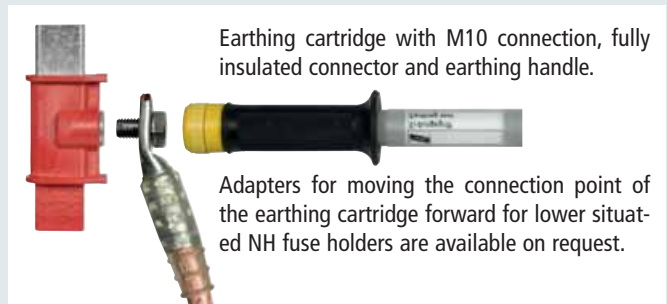
Attaching a partly insulated earthing and short-circuiting device using an earthing handle of type TI

General Information:

| | |
|-------------------|---------------------------------|
| Standard | EN/IEC 61230 (DIN VDE 0683-100) |
| Temperature range | - 25 °C ... + 55 °C |

4. Carry out Earthing and Short-Circuiting – EaS Devices

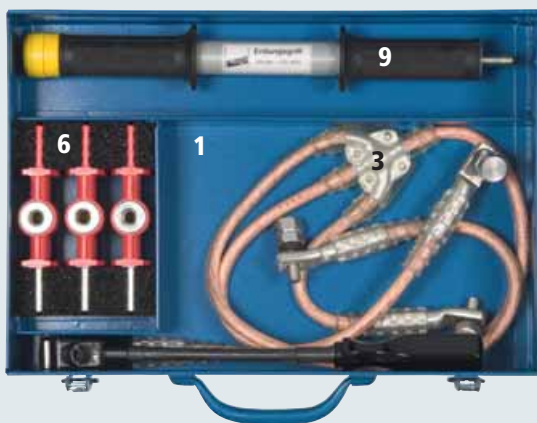
- Fully equipped kit for cable distribution cabinets
- Safe operation with insulated earthing handle of type TI (with dual function), suitable both for installing and removing earthing cartridges with M10 connection as well as for attaching earthing and short-circuiting devices (EaS devices)
- Waterproof, plastic-sheathed cable entries and node unit, with additional anti-kink protection
- Other cable lengths can be selected online via the earthing and short-circuiting configurator



Earthing cartridge with M10 connection, fully insulated connector and earthing handle.

Adapters for moving the connection point of the earthing cartridge forward for lower situated NH fuse holders are available on request.

Kit I in Sheet Metal Case



Kit includes:

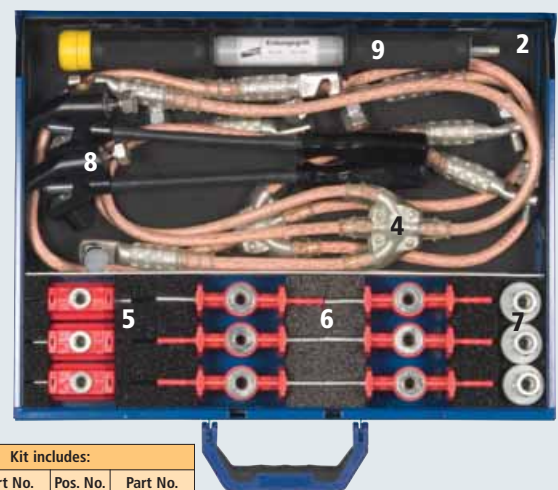
| Pos. No. | Part No. | Pos. No. | Part No. |
|----------|------------|----------|------------|
| 1 | 1x 766 300 | 6 | 3x 745 018 |
| 3 | 1x VSUN6NV | 9 | 1x 745 400 |

For more detailed information on these products, see Single Parts

| | |
|-------------------------------|-----------------------|
| Type | EKS TI KVS SBK |
| Part No. | 766 302 |
| Variant No. of the EaS device | VSUN6NV |
| Dimensions | 380 x 260 x 80 mm |

Note: When ordering, please specify a clear Variant No.

Kit II in Sheet Metal Case



Kit includes:

| Pos. No. | Part No. | Pos. No. | Part No. |
|----------|------------|----------|------------|
| 2 | 1x 766 298 | 7 | 3x 745 201 |
| 4 | 2x VUKMT58 | 8 | 2x 745 602 |
| 5 | 3x 745 302 | 9 | 1x 745 400 |
| 6 | 6x 745 018 | | |

For more detailed information on these products, see Single Parts

| | |
|-------------------------------|--------------------------|
| Type | EKS TI 2F KVS SBK |
| Part No. | 745 500 |
| Variant No. of the EaS device | VUKMT58 |
| Dimensions | 440 x 330 x 66 mm |

Note: When ordering, please specify a clear Variant No.

Work according to the 5 Safety Rules EaS Devices (partly insulated) for LV Cable Distribution Cabinets

4. Carry out Earthing and Short-Circuiting – EaS Devices

Single Parts

Sheet Metal Case, empty

| | |
|------------|-------------------|
| Type | SBKL EKS TI KVS |
| Part No. | 766 300 |
| Dimensions | 380 x 260 x 80 mm |



Sheet Metal Case, empty

With foam padding

| | |
|------------|--------------------|
| Type | SBKL EKS TI KVS 2F |
| Part No. | 766 298 |
| Dimensions | 440 x 330 x 66 mm |

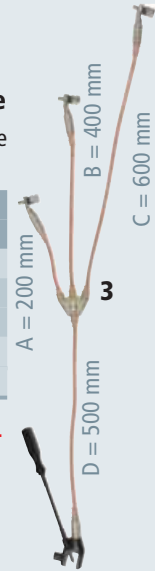


Earthing and Short-Circuiting Device TI, Earth Clamp with flexible adjustable Handle

Adjustable handle with two positions, clamping range up to 20 mm, for cable distribution cabinets

| Type | EKV3 25TI DG | EKV3 35TI DG |
|--|-----------------------|-----------------------|
| Variant No. | VSUN6NV | VSHDQZB |
| Cable cross-section | 25/25 mm ² | 35/35 mm ² |
| Max. short-circuit current I_k 0.5 s | 7.0 kA | 10.0 kA |
| Max. short-circuit current I_k 1 s | 4.9 kA | 6.9 kA |

Note: When ordering, please specify a clear Variant No.

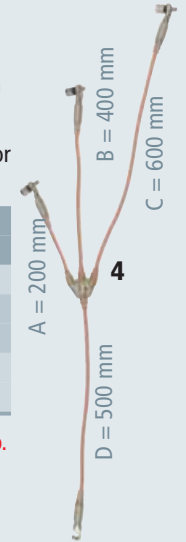


Earthing and Short-Circuiting Device TI with hook-shaped Cable Lug on the Earth Cable End

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

| Type EKV3 ... | 16TI HK | 25TI HK | 35TI HK |
|--|-----------------------|-----------------------|-----------------------|
| Variant No. | V3RQASE | VUKMT58 | VDZ2VDX |
| Cable cross-section | 16/16 mm ² | 25/25 mm ² | 35/35 mm ² |
| Max. short-circuit current I_k 0.5 s | 4.5 kA | 7.0 kA | 10.0 kA |
| Max. short-circuit current I_k 1 s | 3.2 kA | 4.9 kA | 6.9 kA |

Note: When ordering, please specify a clear Variant No.

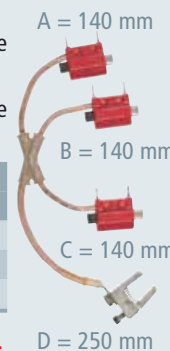


Earthing and Short-Circuiting Device TI, spring-loaded Earth Clamp

Clamping range up to 24 mm and fixing via adjustable handle (Part No. 745 921), earthing cartridges of size 00 fixed on the phase cable end, for service entrance boxes

| | |
|--|-----------------------|
| Type | EKV3 NH00 TI |
| Variant No. | V1RC3P2 |
| Cable cross-section | 16/16 mm ² |
| Max. short-circuit current I_k 0.5 s | 4.5 kA |
| Max. short-circuit current I_k 1 s | 3.2 kA |

Note: When ordering, please specify a clear Variant No.

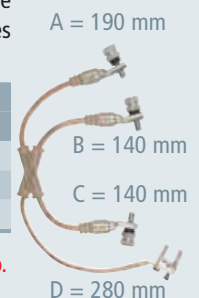


Earthing and Short-Circuiting Device TI, spring-loaded Earth Clamp

Clamping range up to 24 mm and fixing via adjustable handle (Part No. 745 921), screw-on cable lugs with M10 hexagon pin on the phase cable end, to be screwed onto earthing cartridges with M10 connection of service entrance boxes

| | |
|--|-----------------------|
| Type | EKV3 16TI EK |
| Variant No. | VS29AH |
| Cable cross-section | 16/16 mm ² |
| Max. short-circuit current I_k 0.5 s | 4.5 kA |
| Max. short-circuit current I_k 1 s | 3.2 kA |

Note: When ordering, please specify a clear Variant No.



NH 00 Earthing Cartridges

With M10 connection for insertion into NH fuse holders and blocks of size NH 00

For use with TI earthing handle

| | |
|--|--------------------|
| Type | EP NH00 TI M10 |
| Part No. | 745 302 |
| Size | 00 |
| Max. cable cross-section | 35 mm ² |
| Max. short-circuit current I_k 0.5 s | 10.0 kA |
| Max. short-circuit current I_k 1 s | 6.9 kA |



NH 1 ... 3 Earthing Cartridges

With M10 connection for insertion into NH fuse holders and blocks of size NH 1 ... 3

For use with TI earthing handle

| | |
|--|--------------------|
| Type | EP NH1 3 TI M10 |
| Part No. | 745 018 |
| Size | 1 ... 3 |
| Max. cable cross-section | 35 mm ² |
| Max. short-circuit current I_k 0.5 s | 10.0 kA |
| Max. short-circuit current I_k 1 s | 6.9 kA |



NH 4a Earthing Cartridges

With M10 connection for insertion into NH fuse holders and blocks of size NH 4a

| | |
|--|--------------------|
| Type | EP NH4a TI M10 |
| Part No. | 745 016 |
| Size | 4a |
| Max. cable cross-section | 35 mm ² |
| Max. short-circuit current I_k 0.5 s | 10.0 kA |
| Max. short-circuit current I_k 1 s | 6.9 kA |



NH 1 ... 3 Earthing Cartridges with Grip Lugs

With M10 connection for use with TI earthing handle or NH fuse handle with sleeve (Part No. 785 645)

| | |
|--|--------------------|
| Type | EP NH1 3 TI GL M10 |
| Part No. | 745 017 |
| Size | 1 ... 3 |
| Max. cable cross-section | 35 mm ² |
| Max. short-circuit current I_k 0.5 s | 10.0 kA |
| Max. short-circuit current I_k 1 s | 6.9 kA |



EaS Devices (partly insulated) for LV Cable Distribution Cabinets Work according to the 5 Safety Rules

Single Parts

4. Carry out Earthing and Short-Circuiting – EaS Devices

Screw-in Earthing Insert with M10 Connection, insulated

Insulated thread

To be screwed into E27 and E33 threaded fuse holders using a TI earthing handle

| Type | ESE E27 TI M10 | ESE E33 TI M10 |
|---|--------------------|--------------------|
| Part No. | 745 201 | 745 202 |
| Size | E27 | E33 |
| Contact pin | Brass/gal CuSn | Brass/gal CuSn |
| Thread | Plastic | Plastic |
| Max. cable cross-section | 25 mm ² | 25 mm ² |
| Max. short-circuit current I _k 0.5 s | 7.0 kA | 7.0 kA |
| Max. short-circuit current I _k 1 s | 4.9 kA | 4.9 kA |



Screw-in Earthing Insert with M10 Connection

Conductive thread

To be screwed into E27 and E33 threaded fuse holders using a TI earthing handle

| Type | ESE ... | E27 KBI M10 | E33 KBI M10 |
|---|---------|--------------------|--------------------|
| Part No. | | 745 203 | 745 204 |
| Size | | E27 | E33 |
| Contact pin | | Plastic | Plastic |
| Thread | | Brass/gal CuSn | Brass/gal CuSn |
| Max. cable cross-section | | 25 mm ² | 25 mm ² |
| Max. short-circuit current I _k 0.5 s | | 7.0 kA | 7.0 kA |
| Max. short-circuit current I _k 1 s | | 4.9 kA | 4.9 kA |



Earth Clamp with flexible adjustable Handle and two Setting Positions

To be connected to the earth cable end of earthing and short-circuiting devices for cable distribution cabinets, with M8 pin, anti-rotation element and nut

| Type | EK I FL20 DGF |
|----------------|---------------|
| Part No. | 745 602 |
| Clamping range | Up to 20 mm |



Bare Earth Clamp with Wing Bolt

To be connected to the earth cable end of earthing and short-circuiting devices for cable distribution cabinets, with M8 pin, anti-rotation element and nut

| Type | EK FL20 FS |
|----------------|-------------|
| Part No. | 745 502 |
| Clamping range | Up to 20 mm |



TI Earthing Handle

With dual function

- For installing earthing cartridges or screw-in earthing inserts with M10 connection
- For connecting TI earthing and short-circuiting devices to earthing cartridges (socket wrench insert size 19)

| Type | EG TI EKV |
|----------|-----------|
| Part No. | 745 400 |
| Length | 355 mm |



Spring-loaded Compact Clamp

With threaded bolt M8x12 mm and hexagon locking screw (width A/F 10)

Fixed by means of adjustable handle with flexible shaft

| Type | KK M8 0 24 SK10 |
|---|-----------------|
| Part No. | 745 508 |
| Clamping range | Up to 24 mm |
| Max. short-circuit current I _k 0.5 s | 10.0 kA |
| Max. short-circuit current I _k 1 s | 6.9 kA |



Adjustable Handle with flexible Shaft

With magnetic socket wrench insert

For connecting spring-loaded earth clamps

| Type | DGF EKV VI |
|----------|------------|
| Part No. | 745 921 |
| Length | 290 mm |



Plastic Case, empty

With foam padding and hook-and-loop fastener

| Type | KK 56 41 17 EK VI TI |
|------------|----------------------|
| Part No. | 745 952 |
| Dimensions | 565 x 410 x 170 mm |

