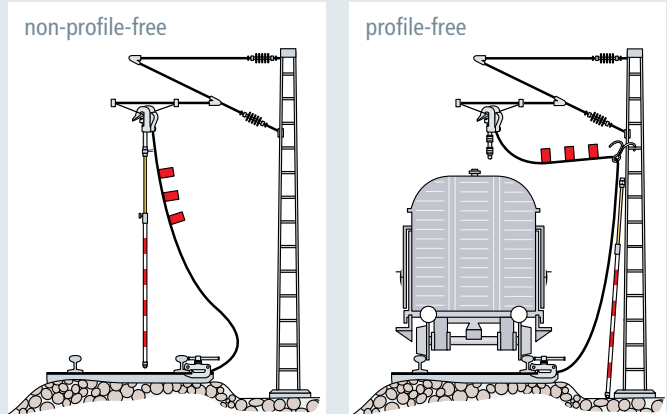


# Kits for Railway Applications

Work according to the 5 Safety Rules

## Non-profile-free and profile-free

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



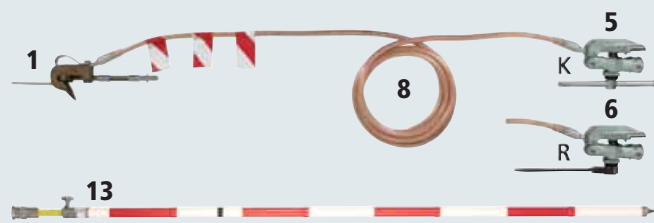
### General Information:

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

Kit includes:					
Pos. No.	Part No.	Pos. No.	Part No.	Pos. No.	Part No.
1	784 755	8	751 085	15	769 506
2	773 251	9	751 120	16	769 352
3	784 352	10	751 040	17	761 015
4	772 320	11	750 202	18	785 111
5	792 450	12	740 124	19	700 000
6	792 453	13	769 502		
7	774 251	14	769 508		

### Kit for Overhead Contact Lines (non-profile-free)

### Kit for Overhead Contact Lines for Transport in Motor Vehicles (non-profile-free)



Kit includes:		
Type	Part No.	No.
Tommy bar (K) or ratchet (R)		
EKV K 50 8500	1x 751 086	1+5+8
EKV R 50 8500	1x 751 087	1+6+8
ESTC SQL RW 5000	1x 769 502	13

Telescopic earthing stick with adjusting ring (max. 5 m long)

Kit includes:		
Type	Part No.	No.
Tommy bar (K) or ratchet (R)		
EKV K 50 8500	2x 751 086	1+5+8
EKV R 50 8500	2x 751 087	1+6+8
EST SQL RW 4915 TA	1x 769 506	15
STT 55 27 30	1x 785 111	18

For technical emergency service and emergency management

Telescopic earthing stick kit consisting of six elements, pluggable (max. 5 m long)

Type	BEV OL NPF K	BEV OL NPF R
<b>Part No.</b>	<b>750 210</b>	<b>750 218</b>
Design	Tommy bar	Ratchet
Cable cross-section	50 mm <sup>2</sup>	50 mm <sup>2</sup>
Cable length	8500 mm	8500 mm
DB drawing No.	3 Ebgw 01.51	—
DB material No.	237 117	—

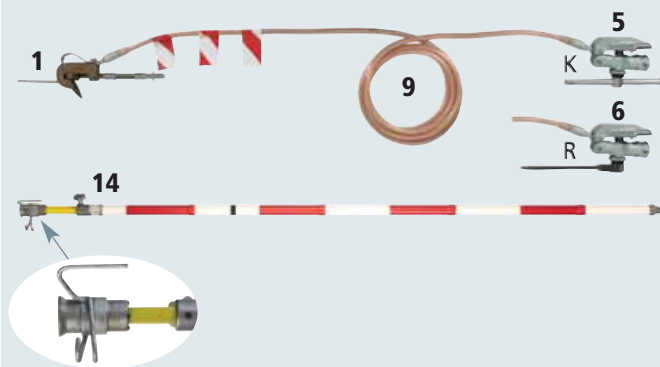
Type	BEV OL NPF PKW K	BEV OL NPF PKW R
<b>Part No.</b>	<b>750 196</b>	<b>750 216</b>
Design	Tommy bar	Ratchet
Cable cross-section	50 mm <sup>2</sup>	50 mm <sup>2</sup>
Cable length	8500 mm	8500 mm
DB drawing No.	3 Ebgw 01.67	—
DB material No.	237 125	—

## Work according to the 5 Safety Rules

## Kits for Railway Applications

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

## Kit for Overhead Contact Lines (profile-free\*)



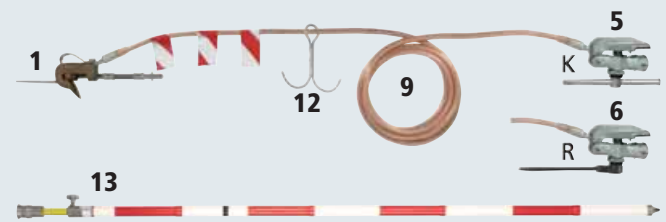
## Kit includes:

Type	Part No.	No.
Tommy bar (K) or ratchet (R)		
EKV K 50 12000	1x 751 126	1+5+9
EKV R 50 12000	1x 751 127	1+6+9
ESTC SQL H RW 5000	1x 769 508	14

Telescopic earthing stick with cable entry and suspension hook (max. 5 m long)

Type	BEV OL PF V2 K	BEV OL PF V2 R
Part No.	750 214	750 221
Design	Tommy bar	Ratchet
Cable cross-section	50 mm <sup>2</sup>	50 mm <sup>2</sup>
Cable length	12000 mm	12000 mm
DB drawing No.	3 Ebgw 01.51	—
DB material No.	237 115	—

## Kit for Overhead Contact Lines (profile-free\*)



## Kit includes:

Type	Part No.	No.
Tommy bar (K) or ratchet (R)		
EKV K H 50 12000	1x 751 121	1+5+9+12
EKV R H 50 12000	1x 751 122	1+6+9+12
ESTC SQL RW 5000	1x 769 502	13

Telescopic earthing stick with adjusting ring (max. 5 m long)

Type	BEV OL PF K	BEV OL PF R
Part No.	750 211	750 219
Design	Tommy bar	Ratchet
Cable cross-section	50 mm <sup>2</sup>	50 mm <sup>2</sup>
Cable length	12000 mm	12000 mm
DB drawing No.	3 Ebgw 01.51	—
DB material No.	237 118	—

## Kit for Overhead Contact Lines for Transport in Motor Vehicles (profile-free\*)



## Kit includes:

Type	Part No.	No.
Tommy bar (K) or ratchet (R)		
EKV K H 50 12000	2x 751 121	1+5+9+12
EKV R H 50 12000	2x 751 122	1+6+9+12
EST SQL RW 4915 TA	2x 769 506	15
STT 55 27 30	1x 785 111	18

For technical emergency service and emergency management

Telescopic earthing stick kit consisting of six elements, pluggable (max. 5 m long)

Type	BEV OL PF PKW K	BEV OL PF PKW R
Part No.	750 200	750 217
Design	Tommy bar	Ratchet
Cable cross-section	50 mm <sup>2</sup>	50 mm <sup>2</sup>
Cable length	12000 mm	12000 mm
DB drawing No.	3 Ebgw 01.67	—

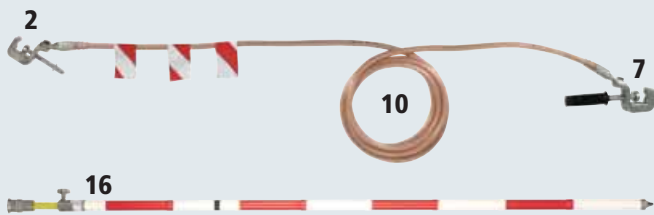
\*) Profile-free earthing means that the earthing cable can be suspended at the tower, thus allowing for limited diesel locomotive operation.

## Kits for Railway Applications

Work according to the 5 Safety Rules

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

#### Kit for Transformers at Overhead Line Towers



Kit includes:		
Type	Part No.	No.
EKV UK 50 4000	2x 750 041	2+7+10
ESTC SQL RW 3500	1x 769 352	16

For earthing on fuse carriers  
Telescopic earthing stick with adjusting ring (max. 3.5 m long)

Type	BEV US OL ST
<b>Part No.</b>	<b>750 212</b>
Cable cross-section	50 mm <sup>2</sup>
Cable length	4000 mm
DB drawing No.	3 Ebgw 01.57
DB material No.	237 121

#### Kit for Supply Lines, Line Feeders, Bypass Lines and other Types of Lines



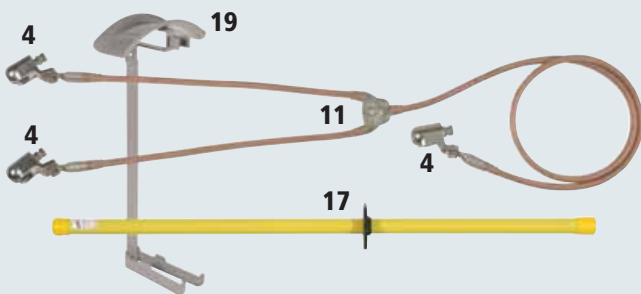
Kit includes:		
Type	Part No.	No.
EKV LK 50 4000	1x 750 042	3+7+10
ESTC SQL RW 3500	1x 769 352	16

For earthing the supply line and traction current lines

Telescopic earthing stick with adjusting ring (max. 3.5 m long)

Type	BEV SVUL
<b>Part No.</b>	<b>750 213</b>
Cable cross-section	50 mm <sup>2</sup>
Cable length	4000 mm
DB drawing No.	3 Ebgw 01.57
DB material No.	237 119

#### Kit for electric Point and Train Pre-Heating Systems



Kit includes:		
Type	Part No.	No.
EKV2 50 KKH 600 1800	2x 751 150	4 (3x)+11
ES SK 1500	1x 761 015	17
HV EKV ES30	1x 700 000	19

For the initial equipment of a transformer of electric point and train pre-heating systems

Type	BEV WHA ZVA
<b>Part No.</b>	<b>750 215</b>
Cable cross-section	50 mm <sup>2</sup>
Length of phase cable A	600 mm
Length of phase cable C	600 mm
Length of earthing cable	1800 mm
DB drawing No.	3 Ebgw 01.70
DB material No.	742 402

For voltage detectors for electric point heating systems, please refer to the PHE voltage detector chapter.

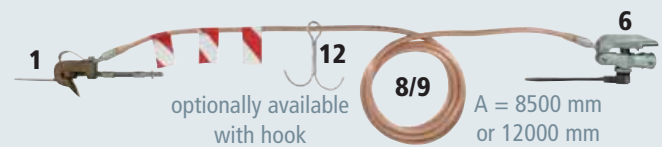
Work according to the 5 Safety Rules

**Earthing and Short-Circuiting Devices for Railway Applications****4. Carry out Earthing and Short-Circuiting – EaS Devices****General Information:**

Standard	EN/IEC 61230 (DIN VDE 0683-100) and IEC 61138
Temperature range	- 25 °C ... + 55 °C

**With Earth Clamp for Overhead Contact Lines and Clamp for Railway Tracks with Tommy Bar**

Type	EKV K 50 8500	EKV K 50 12000	EKV K H 50 12000
Part No.	751 086	751 126	751 121
Cable cross-section	50 mm <sup>2</sup>	50 mm <sup>2</sup>	50 mm <sup>2</sup>
*Cable length	8500 mm	12000 mm	12000 mm
Hook	—	—	✓
DB drawing No.	3 Ebgw 01.51/67	3 Ebgw 01.51/67	3 Ebgw 01.51/67

**With Earth Clamp for Overhead Contact Lines and Clamp For Railway Tracks with Ratchet**

Type	EKV R 50 8500	EKV R 50 12000	EKV R H 50 12000
Part No.	751 087	751 127	751 122
Cable cross-section	50 mm <sup>2</sup>	50 mm <sup>2</sup>	50 mm <sup>2</sup>
Cable length	8500 mm	12000 mm	12000 mm
Hook	—	—	✓
DB drawing No.	3 Ebgw 01.51/67	3 Ebgw 01.51/67	3 Ebgw 01.51/67

**With Universal Clamp (Handle) and Clamp for Railway Tracks with Tommy Bar**

Type	BEV MF SE K	BEV BM HZ BDW K
Part No.	751 191	751 193
Cable cross-section	50 mm <sup>2</sup>	50 mm <sup>2</sup>
Cable length	8500 mm	12000 mm
DB drawing No.	3 Ebgw 01.56	3 Ebgw 01.56

**With Universal Clamp (Handle) and Clamp for Railway Tracks with Ratchet**

Type	BEV MF SE R	BEV BM HZ BDW R
Part No.	751 196	751 197
Cable cross-section	50 mm <sup>2</sup>	50 mm <sup>2</sup>
Cable length	8500 mm	12000 mm
DB drawing No.	3 Ebgw 01.56	3 Ebgw 01.56

**With Universal Clamp (T Pin Shaft) and Universal Clamp (Handle)**

Type	EKV UK 50 4000
Part No.	750 041
Cable cross-section	50 mm <sup>2</sup>
Cable length	4000 mm
DB drawing No.	3 Ebgw 01.57

**With Conductor Clamp and Universal Clamp (Handle)**

Type	EKV LK 50 4000
Part No.	750 042
Cable cross-section	50 mm <sup>2</sup>
Cable length	4000 mm
DB drawing No.	3 Ebgw 01.57

## Earthing and Short-Circuiting Devices for Railway Applications

Work according to the 5 Safety Rules

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

#### With Universal Clamps (Handle) on both Sides



Type	BEV MF LTE
Part No.	751 192
Cable cross-section	50 mm <sup>2</sup>
Cable length	8500 mm
DB drawing No.	3 Ebgw 01.56

#### With Ball Head Caps Ø25 mm



Type	EKV2 50 KKH 600 1800
Part No.	751 150
Cable cross-section	50 mm <sup>2</sup>
Cable length	600 / 1800 mm
DB drawing No.	3 Ebgw 01.70
DB material No.	742 400

#### Accessory for Earthing and Short-Circuiting Devices for Railway Applications

##### Single-pole Earthing and Short-Circuiting Cable, unequipped

With red and white marking and hole in the terminal lug

Type EKS ...	50 BEV 4M	50 BEV 8.5M	50 BEV 12M
Part No.	751 040	751 085	751 120
Crimped cable lug	PK2 (Ø10.5 mm)	PK2 (Ø10.5 mm)	PK2 (Ø10.5 mm)
Cable cross-section	50 mm <sup>2</sup>	50 mm <sup>2</sup>	50 mm <sup>2</sup>
Cable length	4000 mm	8500 mm	12000 mm
DB drawing No.	3 Ebgw 01.57	3 Ebgw 01.51	3 Ebgw 01.51
DB material No.	157 511	157 512	157 513

Type	EKS 50 BEV 13M	EKS 50 BEV 14M
Part No.	751 130	751 140
Crimped cable lug	PK2 (Ø10.5 mm)	PK2 (Ø10.5 mm)
Cable cross-section	50 mm <sup>2</sup>	50 mm <sup>2</sup>
Cable length	13000 mm	14000 mm
DB drawing No.	—	—
DB material No.	—	—



##### Suspension Hook

For (profile-free) suspension of earthing cables on towers

Type	EHH BEV OL
Part No.	740 124
DB drawing No.	3 Ebgw 01.51
DB material No.	778 794

