

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

Earthing and Short-Circuiting Devices for Railway Applications

Parts list:			
Pos.	Part No.	Pos.	Part No.
1 Cu	784 755	7 Cu	751 085
1 Al	784 756	7 Al	752 085
2	773 251	8 Cu	751 120
3	784 352	8 Al	752 120
4 Cu	792 450	9 Cu	751 040
4 Al	792 451	9 Al	752 040
5 Cu	792 453	10	750 202
5 Al	792 454	11	740 124
6	774 251		



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
Material (cable)	Cu	Cu	Cu
Cable cross-section	50 mm²	50 mm²	50 mm²
Cable length	8500 mm	12000 mm	12000 mm
Hook	—	—	✓
Max. short-circuit current I _k 0.06 s	34.0 kA	34.0 kA	34.0 kA
DB drawing No.	3 Ebgw 01.51/67	3 Ebgw 01.51/67	3 Ebgw 01.51/67

Type	EKV FD K 70 8500AL	EKV FD K 70 12000AL	EKV FD K H70 12000AL
Part No.	752 086	752 126	752 121
Material (cable)	Al	Al	Al
Cable cross-section	70 mm²	70 mm²	70 mm²
Cable length	8500 mm	12000 mm	12000 mm
Hook	—	—	✓
Max. short-circuit current I _k 0.06 s	32.0 kA	32.0 kA	32.0 kA
DB drawing No.	Ebgw 01.74	Ebgw 01.74	Ebgw 01.79

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

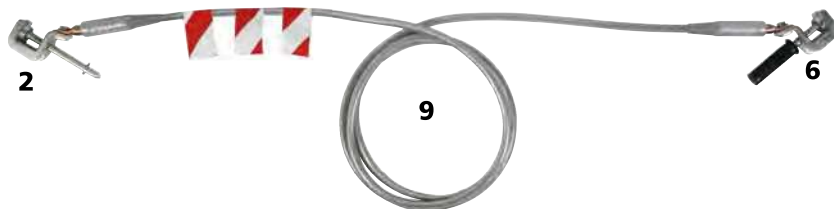


Type	EKV R 50 8500	EKV R 50 12000	EKV R H 50 12000
Part No.	751 087	751 127	751 122
Material (cable)	Cu	Cu	Cu
Cable cross-section	50 mm²	50 mm²	50 mm²
Cable length	8500 mm	12000 mm	12000 mm
Hook	—	—	✓
Max. short-circuit current I _k 0.06 s	34.0 kA	34.0 kA	34.0 kA
DB drawing No.	3 Ebgw 01.51/67	3 Ebgw 01.51/67	3 Ebgw 01.51/67

Type	EKV FD R 70 8500AL	EKV FD R 70 12000AL	EKV FD R H70 12000AL
Part No.	752 087	752 127	752 122
Material (cable)	Al	Al	Al
Cable cross-section	70 mm²	70 mm²	70 mm²
Cable length	8500 mm	12000 mm	12000 mm
Hook	—	—	✓
Max. short-circuit current I _k 0.06 s	32.0 kA	32.0 kA	32.0 kA
DB drawing No.	Ebgw 01.78	Ebgw 01.78	Ebgw 01.80

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

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



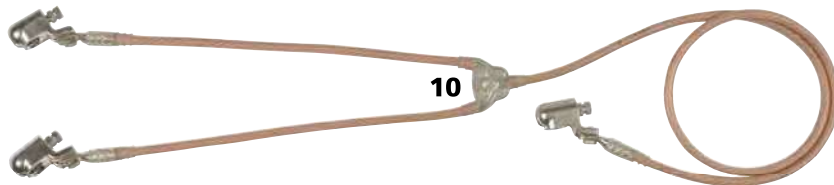
Type	EKV UK 50 4000	EKV UKQ UKH70 4000AL
Part No.	750 041	752 041
Material (cable)	Cu	Al
Cable cross-section	50 mm ²	70 mm ²
Cable length	4000 mm	4000 mm
Max. short-circuit current I_k 0.06 s	34.0 kA	32.0 kA
DB drawing No.	3 Ebgw 01.57	Ebgw 01.73

With Conductor Clamp and Universal Clamp (Handle)



Type	EKV LK 50 4000	EKV LK UKH 70 4000AL
Part No.	750 042	752 042
Material (cable)	Cu	Al
Cable cross-section	50 mm ²	70 mm ²
Cable length	4000 mm	4000 mm
Max. short-circuit current I_k 0.06 s	34.0 kA	32.0 kA
DB drawing No.	3 Ebgw 01.57	Ebgw 01.77

With Ball Head Caps (Ø25 mm)



Type	EKV2 50 KKH 600 1800
Part No.	751 150
Material (cable)	Cu
Cable cross-section	50 mm ²
Cable length	600 / 1800 mm
Max. short-circuit current I_k 0.06 s	34.0 kA
DB drawing No.	3 Ebgw 01.70
DB material No.	742 400

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



Type	BEV MF SE K	BEV BM HZ BDW K	BEV UKH K 70 8500AL	BEV UKH K 70 12000AL
Part No.	751 191	751 193	752 191	752 193
Material (cable)	Cu	Cu	Al	Al
Cable cross-section	50 mm ²	50 mm ²	70 mm ²	70 mm ²
Cable length	8500 mm	12000 mm	8500 mm	12000 mm
Max. short-circuit current I_k 0.06 s	34.0 kA	34.0 kA	32.0 kA	32.0 kA
DB drawing No.	3 Ebgw 01.56	3 Ebgw 01.56	Ebgw 01.75	Ebgw 01.75

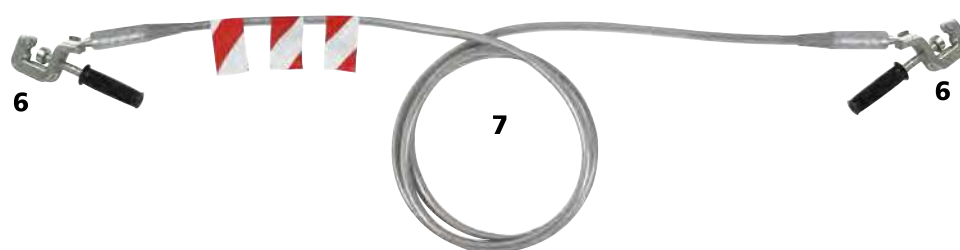
4. Carry out Earthing and Short-Circuiting – EaS Devices

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



Type	BEV MF SE R	BEV BM HZ BDW R	BEV UKH R 70 8500AL	BEV UKH R 70 12000AL
Part No.	751 196	751 197	752 196	752 197
Material (cable)	Cu	Cu	Al	Al
Cable cross-section	50 mm ²	50 mm ²	70 mm ²	70 mm ²
Cable length	8500 mm	12000 mm	8500 mm	12000 mm
Max. short-circuit current I _k 0.06 s	34.0 kA	34.0 kA	32.0 kA	32.0 kA
DB drawing No.	3 Ebgw 01.56	3 Ebgw 01.56	Ebgw 01.76	Ebgw 01.76

With Universal Clamps (Handle) on both sides



Type	BEV MF LTE	BEV 2XUKH 70 8500AL
Part No.	751 192	752 192
Material (cable)	Cu	Al
Cable cross-section	50 mm ²	70 mm ²
Cable length	8500 mm	8500 mm
Max. short-circuit current I _k 0.06 s	34.0 kA	32.0 kA
DB drawing No.	3 Ebgw 01.56	Ebgw 01.72

Accessories for Earthing and Short-Circuiting Devices for Railway Applications

Single-pole earthing and short-circuiting cable, unequipped

With red and white marking and cable lug with borehole Ø10.5 mm.

General Information:	
Crimped cable lug	PK2 (Ø10.5 mm)



Type	EKS 50 BEV 4M	EKS 50 BEV 8.5M	EKS 50 BEV 12M	EKS 50 BEV 13M	EKS 50 BEV 14M
Part No.	751 040	751 085	751 120	751 130	751 140
Material	Cu	Cu	Cu	Cu	Cu
Cable cross-section	50 mm ²	50 mm ²	50 mm ²	50 mm ²	50 mm ²
Cable length	4000 mm	8500 mm	12000 mm	13000 mm	14000 mm
DB material No.	157 511	157 512	157 513	—	—



Type	EKS B10.5 70 4000AL	EKS B10.5 70 8500AL	EKS B10.5 70 12000AL
Part No.	752 040	752 085	752 120
Material	Al	Al	Al
Cable cross-section	70 mm ²	70 mm ²	70 mm ²
Cable length	4000 mm	8500 mm	12000 mm

Suspension hook

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



Type	EHH BEV OL
Part No.	740 124
DB material No.	778 794