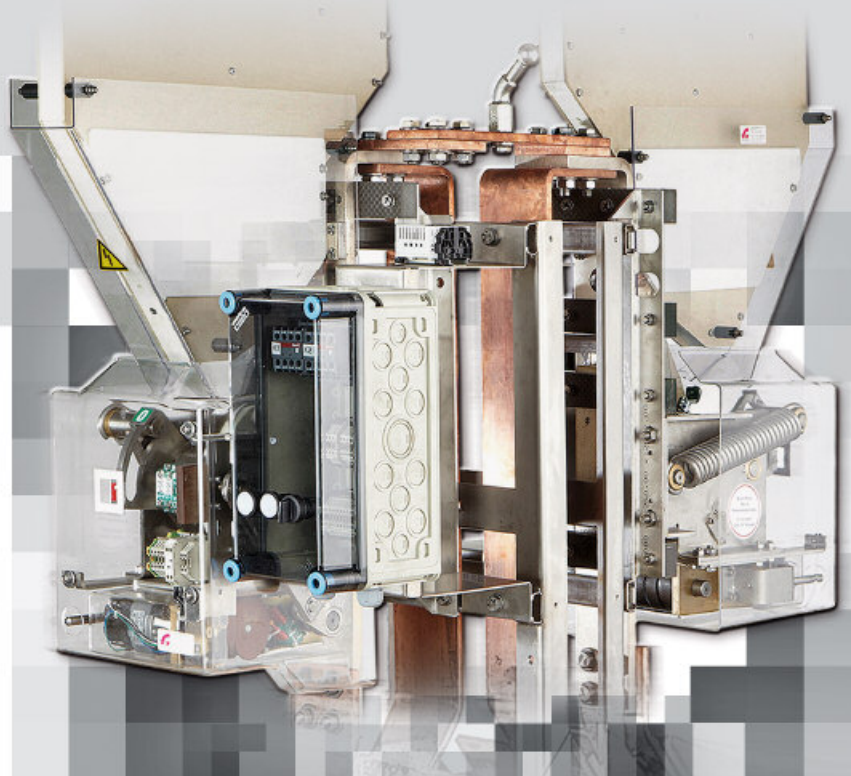




TRACTION...

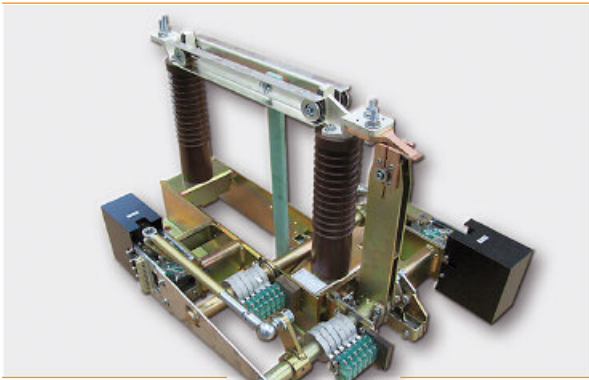


IN THE RAILWAY INDUSTRY  
DC LOADBREAKERS ARE REQUIRED FOR  
SAFE DISCONNECTION AND EARTHING  
ACCORDING TO STANDARD:  
**EN 50123-3 –VDE 0115.**

DC loadbreakers are in accordance for making capacity and breaking capacity in both directions. Insulating distance between conductor and earth: overvoltage category 4 EN 50124-1.

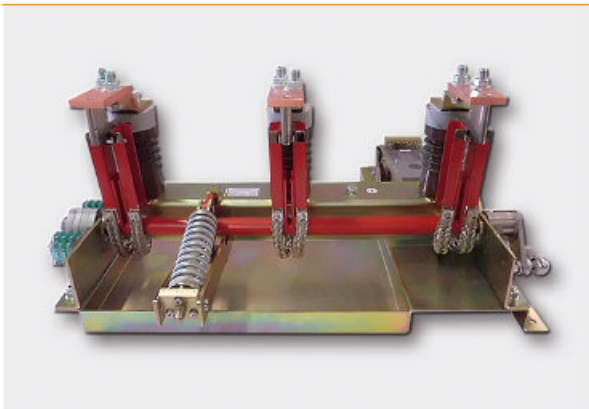


### ISOLATOR-EARTHING SWITCH COMBINATION



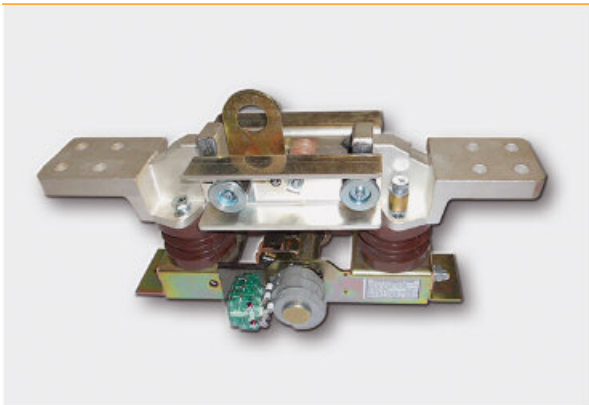
TECHNICAL DATA	Standard units (optional data on request)
Type	GTD / GTÖ
Nominal current	0,4 up to 12 kA
Nominal voltage	0 up to 40 kV
Number of poles	1 up to 12 poles
Pole distance	variable
Peak withstand current	50 up to 200 kA
Withstand current	20 up to 85 kA/1 s resp. 3 s
Motor drive	24, 48, 60, 110, 220, 230 V AC/DC
Manual drive	manual lever, towing eye
Pneumatic drive	5-6 bar
Locking magnet	24, 48, 60, 110, 220, 230 V AC/DC

### EARTHING SWITCH



TECHNICAL DATA	Standard units (optional data on request)
Type	GE / EES
Nominal voltage	0 up to 40 kV
Number of poles	1 up to 12 poles
Pole distance	variable
Peak withstand current	50 up to 200 kA
Withstand current	20 up to 85 kA/1 s resp. 3 s
Making capacity	50 up to 180 kA
Motor drive	24, 48, 60, 110, 220, 230 V AC/DC
Manual drive	manual lever, towing eye
Pneumatic drive	5-6 bar
Locking magnet	24, 48, 60, 110, 220, 230 V AC/DC
Construction type	E0, E1, E2

### ISOLATOR

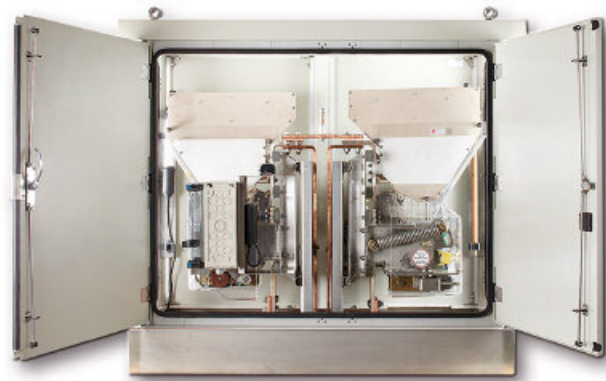
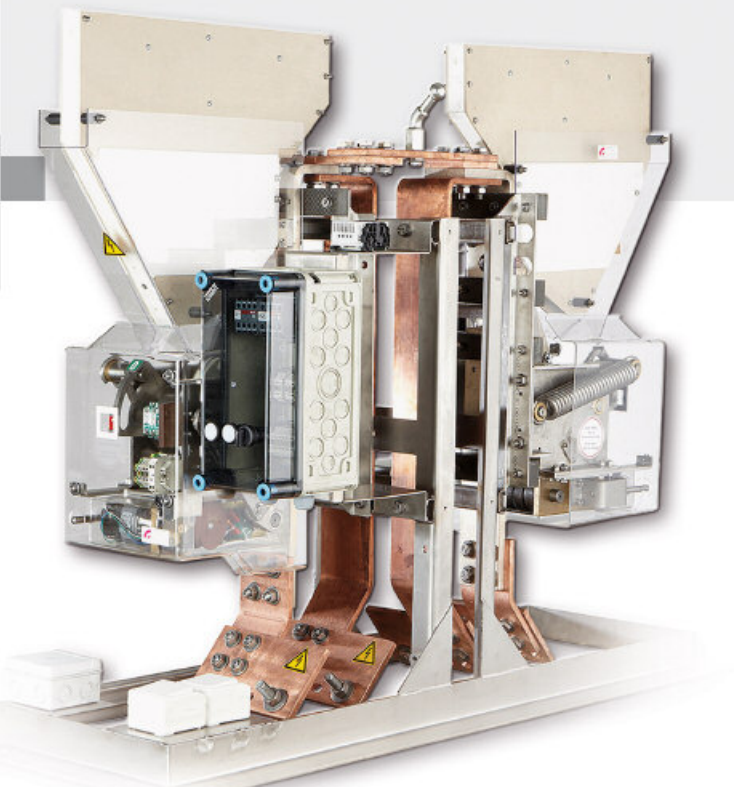


TECHNICAL DATA	Standard units (optional data on request)
Type	NT / GT
Nominal current	0,4 up to 12 kA
Nominal voltage	0 up to 40 kV
Number of poles	1 up to 12 poles
Pole distance	variable
Peak withstand current	50 up to 200 kA
Withstand current	20 up to 85 kA/1 s resp. 3 s
Motor drive	24, 48, 60, 110, 220, 230 V AC/DC
Manual drive	manual lever
Pneumatic drive	5-6 bar
Locking magnet	24, 48, 60, 110, 220, 230 V AC/DC

# SWITCHGEAR CUBICLE

FLOHE DESIGNED AND MANUFACTURED COMPLETE OUTDOOR CUBICLES

▶▶ UP TO IP66

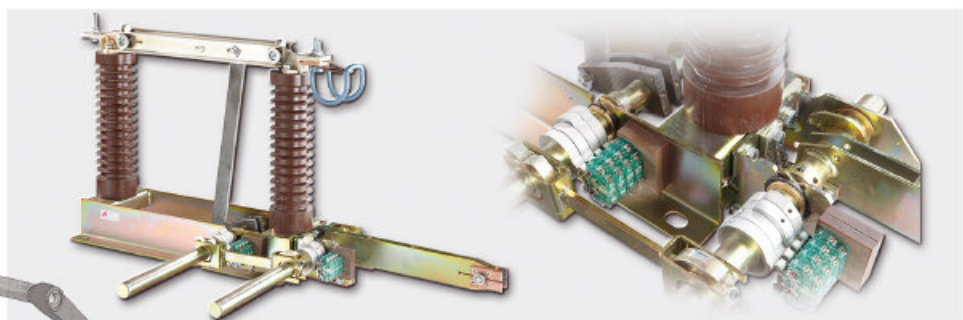
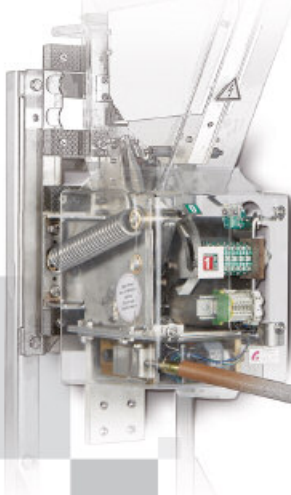


▶▶ DC LOADBREAKER ◀◀

TYPE 750 V DC	FGS 3,15-0,75-1P	FGS 4-0,75-1P	FGS 6-0,75-1P	FGS 8-0,75-1P	FGS 3,15-0,75-2P	FGS 4-0,75-2P
Number of poles	1-pole	1-pole	1-pole	1-pole	2-poles	2-poles
Nominal current	3150 A	4000 A	6000 A	8000 A	3150 A	4000 A
Nominal voltage	750 V DC	750 V DC	750 V DC	750 V DC	750 V DC	750 V DC
Rated insulation voltage	OV 4	OV 4	OV 4	OV 4	OV 4	OV 4
Making capacity	31,5 kA	32,5 kA	31,5 kA	31,5 kA	31,5 kA	31,5 kA
Breaking capacity	10 kA	10 kA	10 kA	10 kA	10 kA	10 kA
Withstand current	50 kA	50 kA	50 kA	50 kA	50 kA	50 kA
Current range	80 mm	100 mm	2x 100 mm	4x 100 mm	2x 80 mm	2x 100 mm
Weight	49 kg	54 kg	110 kg	123 kg	110 kg	125 kg
Emergency lever	Emergency crank					
Motordrive	Rated voltage: 230 V 50 Hz / 220 V DC / 110 V DC / 60 V DC / 24 V DC					
Auxiliary set	option: 4 NC + 4 NO / 6 NO + 4 NC / 4 NC + 4 NO + relative / 6 NC + 6 NO + relative					
Arc chute limit switch	option					
Relative kontakt	option					
<b>TYPE 1500 V DC</b>	electrical data upon request					

CUBICLE SPECIFICATION UPON REQUEST WITH...

DC LOADBREAKER; DC DISCONNECTOR; FUSES; CONTROL EQUIPMENT



# PRODUCT OVERVIEW ...



▶ EAF / LF / ESU



▶ HIGH-CURRENT CABLES



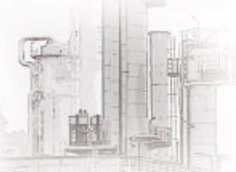
▶ SUPPORT ARM TECHNOLOGY /  
HIGH-CURRENT LINES



▶ EXPANSION JOINTS



▶ SWITCHGEAR



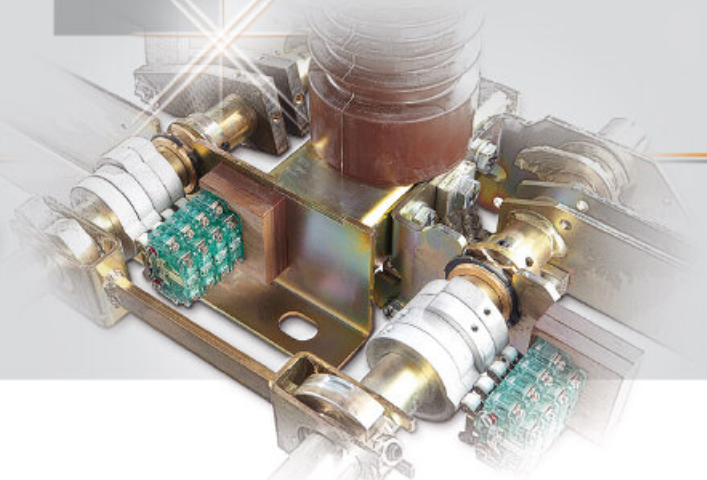
▶ ELEKTROLYSIS:  
BUSBARS



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+ MANUFACTURING**

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TO THE COMPLEX HIGH-CURRENT SYSTEM



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