



Elpro

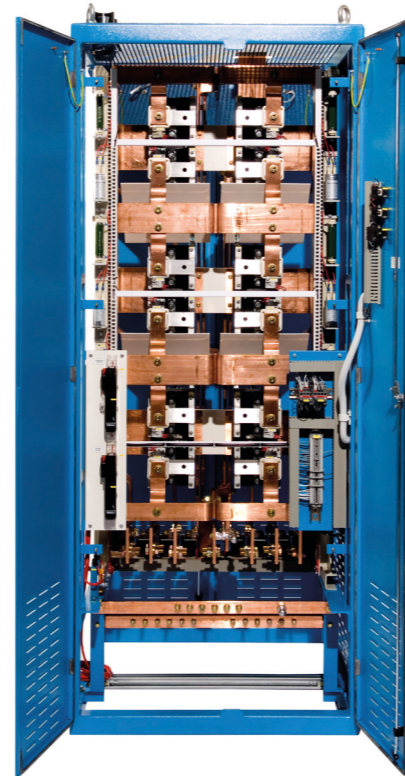
RAILWAY TRACTION POWER SYSTEMS
DC SWITCHGEAR 750 V



RECTIFIER PANEL

Technical Data	
Rated Voltage	750V DC
Rated Insulation Voltage	1000V DC
Rated Short Circuit Current	100 kA / 70kA
Rated Short Circuit Duration	200 ms
Degree of Protection	IP20 / IP 21
Load Class, Class I to VI according to	DIN EN 50328
Type Test Standard	DIN EN 60146

Design Variants		Dimensions (BxHxD)
Rated Current 1000 A DC	6 pulse config.	800 x 2200 x 1000 mm
Rated Current 1500 A DC	6 pulse config.	800 x 2200 x 1000 mm
Rated Current 1500 A DC	12 pulse config.	900 x 2200 x 1000 mm
Rated Current 2 x 1800 A DC	12 pulse config.	1000 x 2200 x 1000mm
Rated Current 2000 A DC	6 pulse config.	800 x 2200 x 1000 mm
Rated Current 2000 A DC	12 pulse config.	1000 x 2200 x 1000mm
Rated Current 2500 A DC	6 pulse config.	1000 x 2200 x 1000mm
Rated Current 2800 A DC	12 pulse config.	1000 x 2200 x 1000mm
Rated Current 3000 A DC	6 pulse config.	1000 x 2200 x 1000mm
Rated Current 3000 A DC	12 pulse config.	1000 x 2200 x 1000mm
Rated Current 4000 A DC	12 pulse config.	2500 x 2200 x 1000mm

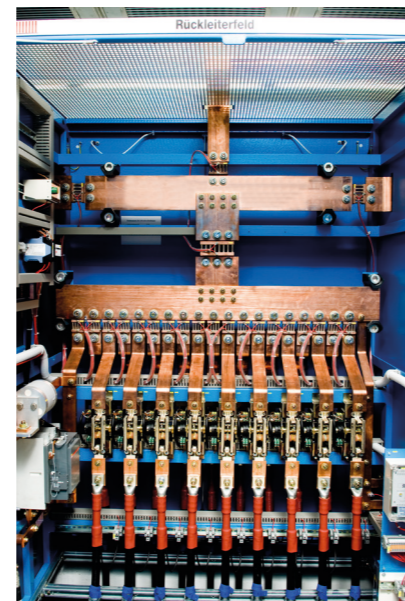


RETURN CIRCUIT

Technical Data	
Rated Voltage	750V DC
Rated Insulation Voltage	1000V DC
Rated Short Circuit Current	200 kA / 120 kA
Rated Short Circuit Duration	250 ms
Degree of Protection	IP20 / IP 21
Type Test Standard	DIN EN 50123-6

Design Features
Project specific configuration depending on the number of return feeders and additional built in components according to customer requirements.

Available Dimensions (BxHxD)
600 x 2200 x 1000 mm
800 x 2200 x 1000 mm
1000 x 2200 x 1000 mm
1200 x 2200 x 1000 mm
1400 x 2200 x 1000 mm
2500 x 2200 x 1000 mm



INCOMER PANEL

Technical Data	
Rated Voltage	750V DC
Rated Insulation Voltage	1000V DC
Rated Operating Current Main Busbar	7000A DC / 5500A / 3000A
Rated Short Circuit Current	200 kA / 120 kA
Rated Short Circuit Duration	250 ms
Degree of Protection	IP4x / IP 21
Type Test Standard	DIN EN 50123-6

Design Variants	Dimensions (BxHxD)
1 incomer up to 4000 A DC	600 x 2200 x 1*** mm
2 incomers up to 4000 A DC each	800 x 2200 x 1*** mm
3 incomers up to 4000 A DC each	1000 x 2200 x 1*** mm



LINE FEEDER PANEL

Technical Data	
Rated Voltage	750V DC
Rated Insulation Voltage	1000V DC
Rated Operating Current Main Busbar	7000A DC / 5500A / 3000A
Rated Short Circuit Current	200 kA / 120 kA
Rated Short Circuit Duration	250 ms
Degree of Protection	IP4x / IP 21
Type Test Standard	DIN EN 50123-6

Design Variants (Panel width 600 mm without bypass disconnecter)			Dimensions (BxHxD)
Rated Feeder Current	2500A DC	Elpro SSM without bypass disconnecter	600 x 2200 x 1000 mm
Rated Feeder Current	2500A DC	Elpro SSM with bypass disconnecter	800 x 2200 x 1000 mm
Rated Feeder Current	4000A DC	Elpro SSM without bypass disconnecter	600 x 2200 x 1000 mm
Rated Feeder Current	4000A DC	Elpro SSM with bypass disconnecter	800 x 2200 x 1000 mm
Rated Feeder Current	2500A DC	Elpro SSM without bypass disconnecter	600 x 2200 x 1200mm
Rated Feeder Current	2500A DC	Elpro SSM with bypass disconnecter	800 x 2200 x 1200mm
Rated Feeder Current	4000A DC	Elpro SSM without bypass disconnecter	600 x 2200 x 1300mm
Rated Feeder Current	4000A DC	Elpro SSM with bypass disconnecter	800 x 2200 x 1300mm

SSM - High Speed Switching Module based on power electronic switching principle

