

The new generation of high current terminals

The **selos** WRT high current terminals are the new generation of ring lug terminals for safe and maintenance-free energy transmission.

A broad range and a clear focus on customer benefits makes **selos** WRT a robust solution for connecting conductors to 300 mm² and 520 A.

► Features

- Rugged design
- Safe and maintenance-free
- Flexible potential distribution
- Reliable touch protection



► Simple mounting

- On TS 35 or on the mounting plate
- Few parts - nut with integrated spring washer

► Safe and maintenance-free

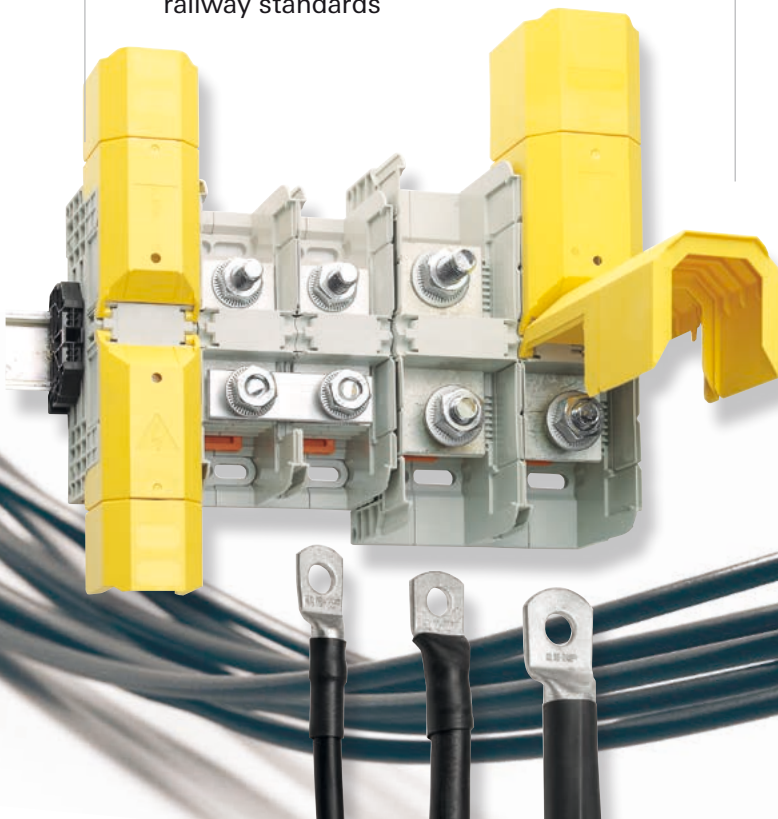
- High performance
- UP to 300 300 mm² / 520A / 1000 V
- Maintenance-free screw connection
- Vibration-proof according to railway standards

► Touch-proof application

- Cover easy to open and close
- Test opening – completely touch-proof voltage measurement
- Cover can be individually adapted

► Flexible potential distribution

- Cross connectors for simple potential distribution up to nominal currents
- Multi-conductor connection possible, 2 cable lugs per connection point



selos WRT

High current terminals with screw connection

High current terminal block selos WRT 35

for mounting on TS 35

Nominal cross-section 35 mm²

Bolt connection M6



Description	Type	Part No.	P.U.
High current terminal block selos			
WRT 35 / M6	WRT 35 / M6	56.135.1055.0	10
General data			
Width / length / height (incl. TS 7.5)	27 mm / 107 mm / 51 mm		
Width / length / height (incl. TS 7.5 & cover)	27 mm / 131 mm / 60 mm		
Screw size	M6		
Approvals	KEMA, cURus		
Technical data			
	IEC	UL	CSA
Cross section fine-stranded	2.5 - 50 mm ²		
Cross section solid/stranded	2.5 - 50 mm ²		
Cross-section, AWG		14 - 2	14 - 2
Rated current	125 A	130 A	130 A
Rated voltage	1000 V	1000 V	1000 V
Rated impulse voltage	8 kV		
Pollution degree	3		
Torque	3 - 6 Nm		
Accessories			
Cover (2 piece/terminal required)	AD WRT 35	07.431.7053.8	20
Cross connector, for 2 terminals	VB WRT 35-2	07.201.1227.6	10
Cross connector, for 3 terminals	VB WRT 35-3	07.201.1237.6	10

High current terminal block selos WRT 70

for mounting on TS 35

Nominal cross-section 70 mm²

Bolt connection M8



Description	Type	Part No.	P.U.
High current terminal block selos			
WRT 70	WRT 70	56.170.1055.0	10
General data			
Width / length / height (incl. TS 7.5)	32 mm / 132 mm / 61 mm		
Width / length / height (incl. TS 7.5 & cover)	32 mm / 180 mm / 70 mm		
Screw size	M8		
Approvals	KEMA, cURus		
Technical data			
	IEC	UL	CSA
Cross section fine-stranded	2.5 - 95 mm ²		
Cross section solid/stranded	2.5 - 95 mm ²		
Cross-section, AWG		14 - 00	14 - 00
Rated current	192 A	175 A	170 A
Rated voltage	1000 V	1000 V	1000 V
Rated impulse voltage	8 kV		
Pollution degree	3		
Torque	6 - 12 Nm		
Accessories			
Cover (2 piece/terminal required)	AD WRT 70	07.431.7153.8	20
Cross connector, for 2 terminals	VB WRT 70-2	07.201.3227.6	10
Cross connector, for 3 terminals	VB WRT 70-3	07.201.3327.6	10

High current terminal block selos WRT 120

for mounting on TS 35

Nominal cross-section 120 mm²

Bolt connection M10



Description	Type	Part No.	P.U.
High current terminal block selos			
WRT 120	WRT 120	56.197.1055.0	10
General data			
Width / length / height (incl. TS 7.5)	42 mm / 133 mm / 72 mm		
Width / length / height (incl. TS 7.5 & cover)	42 mm / 226 mm / 80 mm		
Screw size	M10		
Approvals	KEMA, cURus		
Technical data			
	IEC	UL	CSA
Cross section fine-stranded	to 120 mm ²		
Cross section solid/stranded	6 - 150 mm ²		
Cross-section, AWG		10 - 250 kcmil	10 - 250 kcmil
Rated current	269 A	310 A	310 A
Rated voltage	1000 V	1000 V	1000 V
Rated impulse voltage	8 kV		
Pollution degree	3		
Torque	10 - 20 Nm		
Accessories			
Cover (2 piece/terminal required)	AD WRT 120	07.431.7253.8	20
Cross connector, for 2 terminals	VB WRT 120-2	07.201.5227.6	10
Cross connector, for 3 terminals	VB WRT 120-3	07.201.5327.6	10

High current terminal block *selos* WRT 185

for mounting on TS 35
Nominal cross-section 185 mm²
Bolt connection M12



Description	Type	Part No.	P.U.
High current terminal block <i>selos</i>			
WRT 185	WRT 185	56.198.1055.0	10
General data			
Width / length / height (incl. TS 7.5)	55 mm / 164 mm / 78 mm		
Width / length / height (incl. TS 7.5 & cover)	55 mm / 288 mm / 90 mm		
Screw size	M12		
Approvals	KEMA, cURus		
Technical data			
	IEC	UL	CSA
Cross section fine-stranded	to 185 mm ²		
Cross section solid/stranded	10 - 240 mm ²		
Cross-section, AWG		10 - 500 kcmil	10 - 500 kcmil
Rated current	353 A	380 A	380 A
Rated voltage	1000 V	1000 V	1000 V
Rated impulse voltage	8 kV		
Pollution degree	3		
Torque	14 - 31 Nm		
Accessories			
Cover (2 piece/terminal required)	AD WRT 185/300	07.431.7353.8	20
Cross connector, for 2 terminals	VB WRT 185-2	07.201.7227.6	10
Cross connector, for 3 terminals	VB WRT 185-3	07.201.7327.6	10

High current terminal block *selos* WRT 300

for mounting on TS 35
Nominal cross-section 300 mm²
Bolt connection M16



Description	Type	Part No.	P.U.
High current terminal block <i>selos</i>			
WRT 300	WRT 300	56.199.1055.0	10
General data			
Width / length / height (incl. TS 7.5)	55 mm / 164 mm / 78 mm		
Width / length / height (incl. TS 7.5 & cover)	55 mm / 288 mm / 90 mm		
Screw size	M16		
Approvals	KEMA, cURus		
Technical data			
	IEC	UL	CSA
Cross section fine-stranded	to 300 mm ²		
Cross section solid/stranded	25 - 240 mm ²		
Cross-section, AWG		10 - 600 kcmil	10 - 600 kcmil
Rated current	520 A	510 A	510 A
Rated voltage	1000 V	1000 V	1000 V
Rated impulse voltage	8 kV		
Pollution degree	3		
Torque	25 - 60 Nm		
Accessories			
Cover (2 piece/terminal required)	AD WRT 185/300	07.431.7353.8	20
Cross connector, for 2 terminals	VB WRT 300-2	07.201.9227.6	10
Cross connector, for 3 terminals	VB WRT 300-3	07.201.9327.6	10



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Industrial technology

Solutions for the control cabinet

- DIN rail terminal blocks
 - Screw, tension spring or push-in connection technology
 - Wire cross sections up to 240 mm²
 - Numerous special functions
 - Software solutions interfacing to CAE systems
- Safety
 - Safe signal acquisition
 - Safety switching devices
 - Modular safety modules
 - Compact safety controllers
 - Application consulting and training
- Network engineering and fieldbus systems
 - Remote maintenance via VPN industrial router and VPN service portal
 - Industrial Ethernet switches
 - PLC and I/O systems, standard and increased environmental conditions
- Interface
 - Power supply units
 - Overvoltage protection
 - Coupling relays, semiconductor switches
 - Timer relays, measuring and monitoring relays
 - Analog coupling and converter modules
 - Passive interfaces

Solutions for field applications

- Decentralized installation and automation technology
 - Electrical installation for wind tower
 - Fieldbus interfaces and motor starters
- Connectors for industrial applications
 - Rectangular and round connectors
 - Aluminum or plastic housings
 - Degree of protection up to IP68
 - Current-carrying capacity up to 100A
 - Connectors for hazardous areas
 - Modular, application-specific technology

PC board terminals and connectors

- Screw or spring clamp connection technology
- Spacings: 3.5mm to 10.16mm
- Reflow or wave soldering process

Building and installation technology

- Building installation systems
 - Main power supply connectors IP20/IP65...IP68
 - Bus connectors
 - Low-voltage connectors
 - Power distribution system with flat cables
 - Distribution systems
 - Bus systems in KNX, LON and wireless technology
 - DIN rail terminal blocks for electrical installations
 - Overvoltage protection

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