

Command and signaling

SD 200 switch disconnector



SD 201

Technical data

Electrical data	
Standards	IEC/EN 60947-3
Poles	1P, 2P, 3P, 4P
Rated current I_n	16 A, 25 A, 32 A, 40 A, 50 A, 63 A
Utilization category	AC-23A, DC-21A
Rated voltage U_n	1P: 253 V AC, 60 V DC 2P: 440 V AC, 125 V DC 3...4P: 440 V AC
Insulation voltage U_i	440 V AC
Max. power frequency recovery voltage U_{max}	1P: 266 V AC, 63 V DC 2P: 462 V AC, 131 V DC 3...4P: 462 V AC
Min. operating voltage $U_{min.}$	12 V AC
Rated frequency f	50/60 Hz, DC
Suitable for isolation	Yes
Rated conditional short-circuit current	25 kA in series with NH 00 ≤ 63 A gG
Overvoltage category	III
Pollution degree	3
Rated impulse withstand voltage $U_{imp.}$ (1.2/50 μ s)	4 kV (test voltage 6.2 kV at sea level; 5 kV at 2,000 m)
Dielectric test voltage	2 kV (50/60 Hz, 1 min.)
Mechanical data	
Housing	Insulation group I, RAL 7035
Toggle	Insulation group II, red, sealable
Contact position indication	Marking on toggle, I ON / 0 OFF Real CPI (green OFF/red ON)
Protection degree acc. to EN 60529	IP20 / IP40 in enclosure with cover
Electrical endurance	$I_n < 32$ A: 20,000 ops. (AC), 1,500 ops. (DC) $I_n \geq 32$ A: 10,000 ops. (AC), 1,500 ops. (DC)
Mechanical endurance	20,000 ops.
Shock resistance acc. to IEC/EN 60068-2-27	25g, 2 shocks, 13 ms
Vibration resistance acc. to IEC/EN 60068-2-6	5g, 20 cycles at 5...150...5 Hz with load $0.8 I_n$
Environmental conditions (damp heat cyclic) acc. to IEC/EN 60068-2-30	28 cycles with 55 °C/90-96% and 25 °C/95-100% [°C/RH]
Ambient temperature	-25 ... +55 °C
Storage temperature	-40 ... +70 °C
Installation	
Terminal	Cylinder lift terminal
Safety wire guard	Yes
Two terminal openings for conductor and busbar	Yes
Cross-section of conductors	35 mm ²
Cross-section of busbars	10 mm ²
Torque	2.8 Nm
Screwdriver	No. 2 Pozidriv
Mounting	On DIN rail 35 mm acc. to EN 60715 by fast clip
Mounting position	Optional
Removal without disassembling of the busbar	Yes
Supply	Optional

Command and signaling

SD 200 switch disconnecter

Dimensions and weight	
Mounting dimensions acc. to DIN 43880	Mounting dimension 1
Pole dimensions (H x D x W)	88 x 69 x 17.5 mm
Pole weight	Approx. 85 g
Combination with auxiliary elements	
Auxiliary contact	Yes
Signal/auxiliary contact	Yes
Shunt trip	Yes
Undervoltage release	Yes
Motor operating device	Yes
Padlock	Yes
Approvals	CE and RoHS-conform Approvals: VDE/CCC/EAC/KEMA

Command and signaling

SD 200 switch disconnecter



SD 201



SD 202



SD 203



SD 204

SD 200

Switch disconnecter acc. to IEC/EN 60947-3 for panel installation onto DIN rail (35 mm)

Mounting depth: 68 mm

Mounting width: per pole = 17.5 mm = 1 module

Colour: grey, RAL 7035

Colour of switch lever: red RAL 3000

Special features

- Isolating characteristics acc. to IEC/EN 60947-3
- Clear contact position indication in red/green ("Real CPI")
- Highest performance at an increased voltage level: 25 kA conditional short-circuit current at $U_e = 253/440$ V AC acc. to IEC/EN 60947-3
- Protection degree IP20 = finger safe
- 35 mm² cylinder lift terminal with 2 terminal openings for two wires or one wire and one busbar for cross wiring
- Bottom fixed auxiliary contact as accessory for a space saving installation or upgrade of existing assemblies without additional mounting width
- Consistent design to other System pro M DIN rail products
- Cross wiring with MCBs or RCDs using busbars PS
- Durable device identification due to laser labeling
- Captive screws
- Compatibility with all MCB accessories
- Approved acc. to IEC/EN 60947-3 for international use

Ordering details

Rated current: 16 A						
Poles	Rated voltage	Bbn 4016779	Order details		Price 1	Pack unit
	V AC	EAN	Type code	Order code	piece	kg
1	253	904063	SD201/16	2CDD281101R0016	0.085	10
2	440	904124	SD202/16	2CDD282101R0016	0.170	5
3	440	904186	SD203/16	2CDD283101R0016	0.255	1
4	440	904247	SD204/16	2CDD284101R0016	0.340	1

Rated current: 25 A						
Poles	Rated voltage	Bbn 4016779	Order details		Price 1	Pack unit
	V AC	EAN	Type code	Order code	piece	kg
1	253	904070	SD201/25	2CDD281101R0025	0.085	10
2	440	904131	SD202/25	2CDD282101R0025	0.170	5
3	440	904193	SD203/25	2CDD283101R0025	0.255	1
4	440	904254	SD204/25	2CDD284101R0025	0.340	1

Rated current: 32 A						
Poles	Rated voltage	Bbn 4016779	Order details		Price 1	Pack unit
	V AC	EAN	Type code	Order code	piece	kg
1	253	904087	SD201/32	2CDD281101R0032	0.085	10
2	440	904148	SD202/32	2CDD282101R0032	0.170	5
3	440	904209	SD203/32	2CDD283101R0032	0.255	1
4	440	904261	SD204/32	2CDD284101R0032	0.340	1

Command and signaling

SD 200 switch disconnecter



SD 201



SD 202



SD 203



SD 204

Ordering details

Rated current: 40 A						
Poles	Rated voltage	Bbn 4016779	Order details		Price 1	Pack
			Type code	Order code	piece	unit
	V AC	EAN			kg	pc.
1	253	904094	SD201/40	2CDD281101R0040	0.085	10
2	440	904155	SD202/40	2CDD282101R0040	0.170	5
3	440	904216	SD203/40	2CDD283101R0040	0.255	1
4	440	904278	SD204/40	2CDD284101R0040	0.340	1

Rated current: 50 A						
Poles	Rated voltage	Bbn 4016779	Order details		Price 1	Pack
			Type code	Order code	piece	unit
	V AC	EAN			kg	pc.
1	253	904100	SD201/50	2CDD281101R0050	0.085	10
2	440	904162	SD202/50	2CDD282101R0050	0.170	5
3	440	904223	SD203/50	2CDD283101R0050	0.255	1
4	440	904285	SD204/50	2CDD284101R0050	0.340	1

Rated current: 63 A						
Poles	Rated voltage	Bbn 4016779	Order details		Price 1	Pack
			Type code	Order code	piece	unit
	V AC	EAN			kg	pc.
1	253	904117	SD201/63	2CDD281101R0063	0.085	10
2	440	904179	SD202/63	2CDD282101R0063	0.170	5
3	440	904230	SD203/63	2CDD283101R0063	0.255	1
4	440	904292	SD204/63	2CDD284101R0063	0.340	1