

# Technical data sheet SH200M



		SH200M
<b>General Data</b>		
Standards		IEC/EN 60898-1
Poles		1P, 2P, 3P, 4P, 1P+N, 3P+N
Tripping characteristics		B, C, D
Rated current $I_n$	A	0.5 ... 63 A
Rated frequency $f$	Hz	50 / 60 Hz
Rated insulation voltage $U_i$ acc. to IEC/EN 60664-1	V	250 V AC (phase to ground) , 440 V AC (phase to phase)
Overvoltage category		III
Pollution degree		2
<b>Data acc. to IEC/EN 60898-1</b>		
Rated operational voltage $U_n$	V	1P: 230/400 V AC 1P+N: 230 V AC 2..4P: 400 V AC 3P+N: 400 V AC
Max. power frequency recovery voltage ( $U_{max}$ )	V	1P: 253 V AC 1P+N: 253 V AC 2..4P: 440 V AC 3P+N: 440 V AC
Min. operating voltage	V	12 V AC
Rated short-circuit capacity $I_{cn}$	kA	10 kA
Energy limiting class (B, C up to 40 A)		3
Rated impulse withstand voltage $U_{imp}$ (1.2/50 $\mu$ s)	kV	4 kV (test voltage 6.2kV at sea level, 5kV at 2,000m)
Dielectric test voltage	kV	2 kV (50 / 60Hz, 1 min.)
Reference temperature for tripping characteristics	$^{\circ}$ C	30 $^{\circ}$ C
Electrical endurance	ops.	In < 32A: 20,000 ops., In $\geq$ 32A: 10,000 ops.; 1 cycle (2s - ON, 13s - OFF, In $\leq$ 32A), 1 cycle (2s - ON, 28s - OFF, In > 32A)
<b>Mechanical Data</b>		
Housing		Insulation group II, RAL 7035
Toggle		Insulation group II, black, sealable
Contact position indication		Marking on toggle (I ON / 0 OFF)
Protection degree acc. to EN 60529		IP20*, IP40 in enclosure with cover
Mechanical endurance	ops.	20,000 ops.
Shock resistance acc. to IEC/EN 60068-2-27		25 g - 2 shocks - 13 ms
Vibration resistance acc. to IEC/EN 60068-2-6		5g - 20 cycles at 5...150...5 Hz with load 0.8I <sub>n</sub>
Environmental conditions (damp heat cyclic) acc. to IEC/EN 60068-2-30	$^{\circ}$ C/RH	28 cycles with 55 $^{\circ}$ C/90-96% and 25 $^{\circ}$ C/95-100%
Ambient temperature	$^{\circ}$ C	-25 ... +55 $^{\circ}$ C
Storage temperature	$^{\circ}$ C	-40 ... +70 $^{\circ}$ C
<b>Installation</b>		
Terminal		Cage Terminal
Cross-section of conductors (top / bottom)	mm <sup>2</sup>	25 mm <sup>2</sup> / 25 mm <sup>2</sup>
Torque	Nm	2.0 Nm
Screwdriver		No. 2 Pozidrive
Mounting		On DIN rail 35 mm acc. to EN 60715 by fast clip
Mounting position		any
Supply		optional
<b>Dimensions and weight</b>		
Mounting dimensions acc. to DIN 43880		Mounting dimension 1
Pole dimensions (H x D x W)	mm	85 x 69 x 17.5 mm
Pole weight	g	approx. 115 g
<b>Combination with aux. elements</b>		
Accessories mountable		No

\* Also fulfilling the requirements of protection degree IPXXB

**Note:**

In consideration of modifications to Standards and materials, the characteristics and overall dimensions indicated in this data sheet may be considered binding only following confirmation by ABB.