

# Technical features table for miniature circuit-breakers SH 200 Series

2

Standards		
Poles		
Tripping characteristics		
Rated current $I_n$	A	
Rated frequency $f$	Hz	
Rated insulation voltage $U_i$ acc. to IEC/EN 60664-1	V	
Overtoltage category		
Pollution degree		
Data acc. to IEC/EN 60898-1		
Rated operational voltage $U_o$	V	
Max. power frequency recovery voltage ( $U_{pr}$ )	V	
Min. operating voltage	V	
Rated short-circuit capacity $I_{sc}$	kA	
Energy limiting class (B, C up to 40 A)		
Rated impulse withstand voltage $U_{imp}$ (1.2/50 $\mu$ s)	kV	
Dielectric test voltage	kV	
Reference temperature for tripping characteristics	°C	
Electrical endurance	ops.	
<b>Mechanical Data</b>		
Housing		
Toggle		
Contact position indication		
Protection degree acc. to EN 60529		
Mechanical endurance	ops.	
Shock resistance acc. to IEC/EN 60068-2-27		
Vibration resistance acc. to IEC/EN 60068-2-6		
Environmental conditions (damp heat cyclic) acc. to IEC/EN 60068-2-30	°C/RH	
Ambient temperature	°C	
Storage temperature	°C	
<b>Installation</b>		
Terminal		
Cross-section of conductors (top / bottom)	mm <sup>2</sup>	
Torque	Nm	
Screwdriver		
Mounting		
Mounting position		
Supply		
<b>Dimensions and weight</b>		
Mounting dimensions acc. to DIN 43880		
Pole dimensions (H x D x W)	mm	
Pole weight	g	
<b>Combination with aux. elements</b>		
Accessories mountable		

\* Also fulfilling the requirement acc. to the protection degree IP00B

**SH 200****SH 200 L****SH 200 T**

IEC/EN 60898-1

1P, 2P, 3P, 4P, 1P+N, 3P+N

B, C

6...40 A

50 / 60 Hz

250 V AC (phase to ground) , 440 V AC (phase to phase)

III

2

1P: 230/400 V AC; 1P+N: 230 V AC; 2...4P: 400 V AC; 3P+N: 400 V AC

1P: 253 V AC; 1P+N: 253 V AC; 2...4P: 440 V AC; 3P+N: 440 V AC

12 V AC

6 kA

4.5 kA

3 kA

3

4 kV (test voltage 6.2kV at sea level, 5kV at 2,000m)

2 kV (50 / 60Hz, 1 min.)

B, C: 30°C

 $I_n < 32A$ : 20,000 ops. (AC),  $I_n \geq 32A$ : 10,000 ops. (AC); 1,000 ops. (DC); 1 cycle (2s - ON, 13s - OFF,  $I_n \leq 32A$ ), 1 cycle (2s - ON, 28s - OFF,  $I_n > 32A$ )

Insulation group II, RAL 7035

Insulation group II, black, sealable

Marking on toggle (I ON / O OFF)

IP20\*, IP40 in enclosure with cover

20,000 ops.

25 g - 2 shocks - 13 ms

5g - 20 cycles at 5...150...5 Hz with load 0.8  $I_n$ 

28 cycles with 55°C/90-96% and 25°C/95-100%

-25 ... +55°C

-40 ... +70°C

Cage Terminal

25 mm<sup>2</sup> / 25 mm<sup>2</sup>

2.0 Nm

No. 2 Pozidrive

On DIN-Rail 35 mm acc. to EN 60715 by fast clip

any

optional

Mounting dimension 1

85 x 69 x 17.5 mm

ca. 115 g

No