

MCBs

Product Overview



SH201



SH202



S282UC

SH200

The new SH200 MCBs can be used in domestic, commercial and industrial applications for protection against over-current and short circuit.

New Enhancement

Optimized connection terminal

The new terminal makes it possible to connect lines with and without wire end sleeves up to a cross section of 35mm². The integrated pressure plate serves as protection against damage to flexible lines.

Laser printing

Laser printing ensures a clean typeface with high contrast. This ensures a clear readability. It is resistant to scratches, abrasion and solvents, making it absolutely non-forgeable.

Improved DIN rail mounting

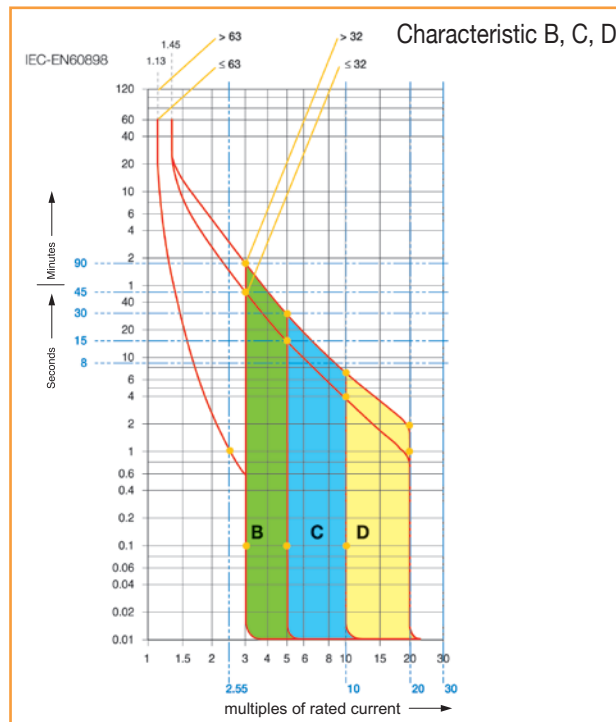
The new plastic lug on the back of the devices prevents them from becoming displaced on the DIN rail in all mounting positions. In the multi-pole miniature circuit breakers this is achieved by using an additional spring in the fastening clip.

S280UC

The S280UC MCB's can be used up to 220V DC for single pole (17.5mm) or up to 440V DC for double pole (35mm) with series connections of 2 poles. This enhanced DC performance is in addition to the AC performance.

They differ from the standard devices in that they are fitted with a permanent magnet which assists in the forced extinguishing of the arc. It is therefore important that care is taken to observe the correct polarity and current flow direction when connecting these breakers.

Tripping Curve



MCBs

Technical Data



MCB

Type		SH200	S200M	S280UC
Standards		IEC60898	IEC/EN60898, IEC/EN60947-2	IEC/EN60947-2
Pole		1, 2, 3, 4		1, 2, 3 (for type C)
Tripping Characteristics		B, C, D	B, C, D	B, C
Tripping Type		Electro-Magnetic Type		
Rated breaking capacity	Icu	6kA	10kA (1 - 63A)	6kA (0.5 - 32A) 4.5kA (40 - 63A)
Rated current	In	6 - 63A	6 - 63A	6 - 25A (for type B) 0.5 - 63A (for type C)
Rated voltage	AC single pole Un	230V		230V
	AC multi-pole Un	400V		400V
	DC single pole Un	-		220V
	DC multi-pole Un	-		400V
Frequency	Hz	50 - 60		
Mechanical Life	no. of operation	20,000		
Electrical Life	no. of operation	10,000		
Protection degree	Terminals	IP2X		
	Housing	IP4X		
Ambient temperature				
	Operating Temperature °C	-25...+55		
	Storage Temperature °C	-40...+70		
Tropicalization				
	constant climate conditions [°C/RH]	23/83, 40/93, 55/20		
	variable climate conditions [°C/RH]	25/95, 40/95		
Terminal Size	mm ²	0.75 - 35		0.75 - 25
Tightening Torque	Nm	2		2.5