

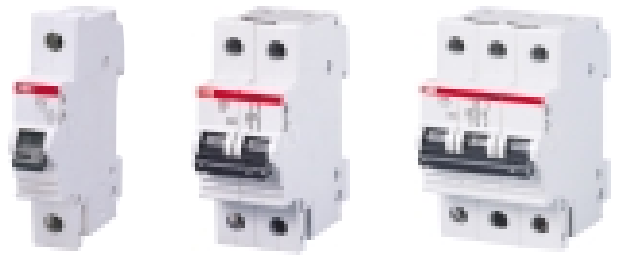
# Line Protection Devices

## MCB- S270 & S260 series

Conforms to IEC60898, IS8828-10kA and IEC60947-2

ABB- the pioneer in MCB technology brings to you the S270 range based on system pro *M*, a modular system developed by ABB.

The S270 range of MCBs are designed and constructed to guarantee maximum operating safety, increased flexibility, speedy installation and superior aesthetics.



### Technical Characteristics

Standards	IS8828 / IEC60898 and IEC60947/2 (for K & Z curve MCB)
Breaking capacity	10kA
Tripping characteristics	B, C, D, K & Z curve
Dimensions of single pole	90x17.5x68 (HxWxD)
Terminals	IP20, housing material with the maximum self-extinguishing degree (V0 level with 1.6 mm thickness)
No. of poles	1, 2, 3, 4, 1+NA, 3+NA
Rated current $I_n$ [A]	0.5...63
Rated voltage $U_n$ [V]	Single pole: 230 / 400 V~, Multi-pole 400 V~
Max. operating voltage $U_{Bmax}$ [V]	AC: $U_n + 10\%$ acc. to UL 1077 and CSA 22.2: 480V~ DC: 1-pole 60 V~, 2-pole 110 V~
Min. operating voltage $U_{Bmin}$ [V]	12 ~, 12~
Terminal size	25 sq. mm
Mechanical life	20,000 operations
Service life at rated load	$I_n < 32$ A: 20 000 operations $I_n \geq 32$ A: 10 000 operations
Tripping mechanism	Trip free mechanism
Connections	Box terminals on top and combi box terminals on bottom, safe against unintentional touch acc. to DIN VDE 0106 part 100. Suitable for solid or flexible conductors from 0.75 mm <sup>2</sup> to 25 mm <sup>2</sup> (max.16 mm <sup>2</sup> when a max. 3mm busbar is connected; from 0,75mm <sup>2</sup> with casing and from 1.5 mm <sup>2</sup> without)
Storage temperature [°C]	$T_{max} + 70^{\circ}$ , $T_{min} - 40^{\circ}$
Ambient temperature [°C]	$T_{max} + 55^{\circ}$ , $T_{min} - 25^{\circ}$
Higher rating of MCBs	80A and 100A
Energy limitation	Class 3 limitation
Watt loss	Low watt loss per pole

### Accessories for MCB

Description	Type	Reference
Aux. contact block	1NO+1NC	S2H11
Aux. contact block	2NC	S2H02
Aux. contact block	2NO	S2H20
Shunt trip mechanism	12-64AC 12-110DC	S2-A1
Shunt trip mechanism	125-415AC 200DC	S2-A2
Under voltage tripping mechanism	(24 VAC/DC)	S2-UA 24
Under voltage tripping mechanism	(48 VAC/DC)	S2-UA 48
Under voltage tripping mechanism	(110 VAC/DC)	S2-UA 110
Under voltage tripping mechanism	(220 VAC/DC)	S2-UA 220
Under voltage tripping mechanism	(380 VAC/DC)	S2-UA 380
Signalling contact + Auxiliary contact		S2-S/H
Padlock adaptor		SA1
Padlock adaptor with lock and key		SA3

