

1 Motor protection circuit breakers

Add-on blocks and accessories for SM2... and SM3...



SM2X11...



SM2X12...

SM2X13 11



SM2X14...

SM2X16...



SM2X18...

Order code	Characteristics	Qty per pkg	Wt
		n°	[kg]

Add-on auxiliary contacts.

SM2X11 20	Front mount 2NO	10	0.020
SM2X11 11	Front mount 1NO+1NC	10	0.020
SM2X11 02	Front mount 2NC	10	0.020
SM2X12 20	Side mount 2NO	2	0.040
SM2X12 11	Side mount 1NO+1NC	10	0.040
SM2X12 02	Side mount 2NC	2	0.040
SM2X13 11	Side mount. Indicator contacts for thermal and magnetic tripping 1NO+1NC	2	0.040

Undervoltage trip releases.

SM2X14 230	230VAC 50/60Hz	5	0.100
SM2X14 400	400VAC 50/60Hz	5	0.100
SM2X14 440	440VAC 50/60Hz	5	0.100

Shunt trip releases.

SM2X16 024	24VAC 50/60Hz	5	0.100
SM2X16 110	110VAC 50/60Hz	5	0.100
SM2X16 230	230VAC 50/60Hz	5	0.100
SM2X16 400	400VAC 50/60Hz	5	0.100
SM2X16 440	440VAC 50/60Hz	5	0.100

Padlockable IP65 (4X) door coupling handle for SM2R and SM3R.

SM2X18 200R	Red/yellow complete with rod length 200mm/7.87"	1	0.115
SM2X18 B200R	Black complete with rod with rod length 200mm/7.87"	1	0.115

Phase separation barriers set for SM3R...

SM3X90 00R	For Type E as per UL508	1	0.175
-------------------	-------------------------	---	-------

General and operational characteristics

ADD-ON AUXILIARY CONTACTS

- Insert on the top front or snap on the left side of the breaker
- Maximum combinations: 3 SM1X... blocks with 6 auxiliary contacts in total of which 1 front block and 2 side blocks
- IEC conventional free air thermal current I_{th}: 10A (5A for SM2X11...)
- IEC rated insulation voltage U_i: 690V (250V for SM2X11...)
- UL/CSA and IEC/EN 60947-5-1 designation: A600 – Q300 (B300 - R300 for SM1X11...)
- Conductor cross section minimum-maximum (1 or 2 wires): 0.75...2.5mm² or 18...14AWG
- Screw tightening tool: Pz 2
- Maximum tightening torque: 1.2Nm / 10bin
- Width of side-mount auxiliary contacts equal to 0.5 DIN 46880 modules.

UNDERVOLTAGE TRIP RELEASES

- Snap on to the right side of the breaker for motor protection
- Consumption in-rush/holding: 8.5/3VA
- Release voltage: 0.35...0.7Us
- Operating limits: 0.85...1.1Us
- Conductor cross section minimum-maximum (1 or 2 wires): 0.75...2.5mm² or 18...14AWG
- Screw tightening tool: Pz 2
- Maximum tightening torque: 1.2Nm / 10bin
- Width of side-mount auxiliary contacts equal to 1 DIN 46880 module.

SHUNT TRIP RELEASES

- Snap on to the right side of the breaker
- In-rush consumption: 20VA
- Operating limits: 0.85...1.1Us
- Conductor cross section minimum-maximum (1 or 2 wires): 0.75...2.5mm² or 18...14AWG
- Screw tightening tool: Pz 2
- Maximum tightening torque: 1.2Nm / 10bin
- Width of side-mount auxiliary contacts equal to 1 standard DIN 46880 module.

PADLOCKABLE DOOR COUPLING HANDLE FOR SM2R and SM3R

- IEC degree of protection: IP65
- Degree of protection according to UL: Type 1, 2, 3R, 12, 12K, 4, 4X; external use
- Adjustable rod from 48 to 212mm (1.89" to 8.35")
- Ring-fixing in 22mm/0.87" hole.

Certifications and compliance

Certifications obtained: cULus, EAC.
Compliant with standards: IEC/EN 60947-1, IEC/EN 60947-5-1, UL 60947-4-1, CSA C22.2 n° 60947-1, CSA C22.2 n° 60947-4-1.