



Product designation	11SM1B
Product type designation	Motor protective circuit breaker

Electrical features

Number of poles	nr.	3
Magnetic protection		Yes
Thermal protection		Yes
Phase failure detection		Yes
Rated insulation voltage U_i	V	690
Rated impulse withstand voltage U_{imp}	kV	6
Rated frequency	Hz	50/60
Thermal trip adjustment range		0,4...0,63
Rated current (I_n)	A	1
Magnetic tripping		12 x I_n

Operational short-circuit current breaking capacity (I_{cs}) at AC	230V	kA	100
	400V	kA	100
	500V	kA	100
	690V	kA	100

Maximum short-circuit current breaking capacity (I_{cu}) at AC	230V	kA	100
	400V	kA	100
	500V	kA	100
	690V	kA	100

Operations

Mechanical life	Cycles	100,000
Electrical life	Cycles	100,000

Mechanical features

Tightening torque for terminals	min	Nm	2
	max	Nm	2
	min	lbft	20
	max	lbft	20

max number of wires simultaneously connectable	nr.	2
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Conductor section	AWG	min	16
		max	10

Flexible w/o lug conductor section	min	mm ²	1
	max	mm ²	6

Flexible c/w lug conductor section	min	mm ²	1
	max	mm ²	6

Flexible with insulated spade lug conductor section			
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	min	mm ²	1
	max	mm ²	6
Screwdriver			PH2
Power terminal protection according to IEC/EN 60529			IP20
Cable stripping length	main circuit	mm	1

Ambient conditions

Temperature

Operating temperature

min	°C	-20
max	°C	60

Storage temperature

min	°C	-50
max	°C	80

Compensation temperature

min	°C	-20
max	°C	50

Max altitude		m	3,000
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Operating position

normal allowable	Su piano verticale Qualsiasi
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Mounting

A vite / profilato
omega 35mm

Weight		g	278
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UL technical data

UL508 / UL60947-4-1 Manual Motor Controller - Short circuit current

Dimensions

Certifications and compliance

Certifications

CSA C22.2 n.14
IEC/EN 60947-1
IEC/EN 60947-2
IEC/EN 60947-4-1
UL508

Compliance

CCC
cULus
EAC

ETIM 6 classification