



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		6,3...10
Rated current ( $I_n$ )	A	10
Magnetic tripping		12 x $I_n$

Operational short-circuit current breaking capacity ( $I_{cs}$ ) at AC

230V	kA	100
400V	kA	100
500V	kA	21
690V	kA	8

Maximum short-circuit current breaking capacity ( $I_{cu}$ ) at AC

230V	kA	100
400V	kA	100
500V	kA	42
690V	kA	8

### 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

Conductor section

AWG

min	16
max	10

Flexible w/o lug conductor section

min	mm <sup>2</sup>	1
max	mm <sup>2</sup>	6

Flexible c/w lug conductor section

min	mm <sup>2</sup>	1
max	mm <sup>2</sup>	6

Flexible with insulated spade lug conductor section

		min	mm <sup>2</sup>	1
		max	mm <sup>2</sup>	6
Screwdriver				PH2
Power terminal protection according to IEC/EN 60529				IP20
Cable stripping length				
	main circuit	mm		1
<b>Ambient conditions</b>				
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
Operating position				
	normal allowable			Su piano verticale Qualsiasi
Mounting				A vite / profilato omega 35mm
Weight			g	352
<b>UL technical data</b>				
UL508 / UL60947-4-1 Manual Motor Controller - Short circuit current				
<b>Dimensions</b>				
<b>Certifications and compliance</b>				
Certifications	CSA C22.2 n.14			
	IEC/EN 60947-1			
	IEC/EN 60947-2			
	IEC/EN 60947-4-1			
	UL508			
Compliance	CCC			
	cULus			
	EAC			
<b>ETIM 6 classification</b>				