



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		4...6,5
Rated current (I_n)	A	7
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	8

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

230V	kA	100
400V	kA	100
500V	kA	100
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 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

		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
Operating position				
	normal allowable			Su piano verticale Qualsiasi
Mounting				A vite / profilato omega 35mm
Weight			g	352
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				