



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		1,6...2,5
Rated current (I_n)	A	3
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				