electric INTERRUPTORES GUARDAMOTORES, PODER DE CORTE EN CORTOCIRCUITO ICU A 400V = 100KA, 1...1,6A

ENERGY AND AUTOMATION



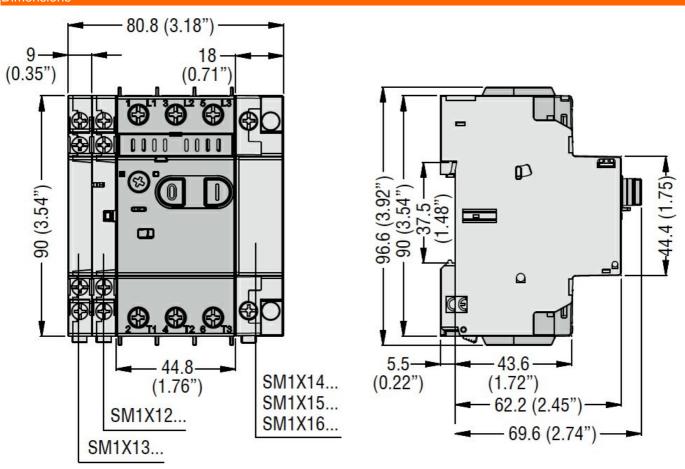
Product type designation SM1P Electrical features SM1P Electrical features SM2 SM2 SM2 SM2 SM3 SM3	Product designation			Motor protection circuit breaker
Section Sect	Product type designation			
Number of poles				
Magnetic protection			Nr.	3
Thermal protection	·			ves
Phase failure detection				
Rated insulation voltage Ui IEC/EN	'			
Rated impulse withstand voltage Uimp			V	
Rated frequency			kV	
Thermal trip adjustment range			Hz	50/60
Rated current (In)				
Magnetic tripping			Α	
Power dissipation per pole				
Max Max				
Max Max		min	W	0.90
August A		max	W	
August A	Operational short-circuit current breaking capacity (Ics) at AC			
A00V	3 - 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2	230V	kA	100
A40V KA 100 500V KA 100 690V KA				
Maximum short-circuit current breaking capacity (Icu) at AC		440V	kA	
Maximum short-circuit current breaking capacity (Icu) at AC 230V kA 100 400V kA 100 440V kA 100 500V kA 100 500V kA 100 500V kA 100 Tripping class 10A IEC Utilization category A Operations Mechanical life cycles 100000 Electrical life cycles 100000 Mechanical features Tightening torque for terminals min Nm 2.5 max Nm 3 min 1bin 22 max Nm 3 min 1bin 22 max 1bin 26.5 Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil		500V	kA	100
230V		690V	kA	100
A00V KA 100 440V KA 100 500V KA 100 500V KA 100 690V KA	Maximum short-circuit current breaking capacity (Icu) at AC			
A440V KA 100 500V KA 100 690V 600V 60		230V	kA	100
S00V KA 100 690V kA 100		400V	kA	100
Tripping class 10A IEC Utilization category A Operations Mechanical life cycles 100000 Electrical life cycles 100000 Mechanical features Tightening torque for terminals min Nm 2.5 max Nm 3 min lbin 26.5 Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil min 16		440V	kA	100
Tripping class 10A IEC Utilization category A Operations Mechanical life cycles 100000 Electrical life cycles 100000 Mechanical features Tightening torque for terminals min Nm 2.5 max Nm 3 min lbin 22 max lbin 26.5 Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil min 16		500V	kA	100
EC Utilization category		690V	kA	100
Operations Mechanical life cycles 100000 Electrical life cycles 100000 Mechanical features Tightening torque for terminals min Nm 2.5 max Nm 3 min lbin 22 max lbin 26.5 Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil min 16				10A
Mechanical life cycles 100000 Electrical life cycles 100000 Mechanical features Tightening torque for terminals min Nm 2.5 max Nm 3 min Ibin 22 max Ibin 26.5 Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil	IEC Utilization category			Α
Electrical life	Operations			
Mechanical features Tightening torque for terminals min Nm 2.5 max Nm 3 min Ibin 22 max Ibin 26.5 Max number of wires simultaneously connectable Conductor section AWG/Kcmil min 16	Mechanical life		cycles	100000
Tightening torque for terminals min Nm 2.5 max Nm 3 min Ibin 22 max Ibin 26.5	Electrical life		cycles	100000
min Nm 2.5 max Nm 3 min lbin 22 max lbin 26.5	Mechanical features			
max Nm 3 min lbin 22 max lbin 26.5 Max number of wires simultaneously connectable Conductor section AWG/Kcmil min 16	Tightening torque for terminals			
Max number of wires simultaneously connectablemin maxlbin lbin lbin lbin lbin lbin lbin lbin		min		
Max number of wires simultaneously connectable Conductor section AWG/Kcmil min 16		max		
Max number of wires simultaneously connectable Conductor section AWG/Kcmil min 16		min		
Conductor section AWG/Kcmil min 16		max		
AWG/Kcmil min 16	·		Nr.	2
min 16				
	AWG/Kcmil			
max 8				
		max		8

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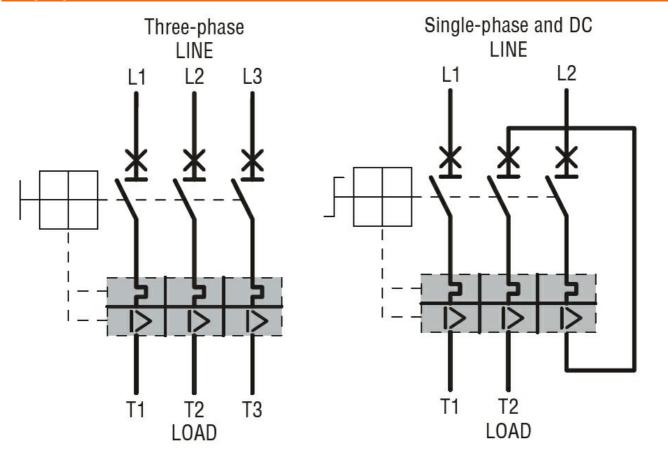
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Flexible w/o lug conductor section			
	min	mm²	1
	max	mm²	10
Flexible c/w lug conductor section			
•	min	mm²	1
	max	mm²	10
Flexible with insulated spade lug conductor section			
	min	mm²	1
	max	mm²	10
Screwdriver			PH2
Power terminal protection according to IEC/EN 60529			IP20 on front
Cable stripping lenght			
	circuit	mm	12
Ambient conditions			
Temperature			
Operating temperature		2.5	00
	min	°C	-20
	max	°C	+60
Storage temperature		°C	F0
	min	°C	-50
Componentian temperature	max	°C	+80
Compensation temperature	min	°C	-20
	min max	°C	-20 +50
Max altitude	Παλ	 	3000
Operating position			3000
	normal		Vertical plan
	owable		Any
Fixing			Screw / DIN rail 35mm
Weight		g	280
UL technical data		<u> </u>	
Motor Disconnect			
a	t 240V	kA	50
a	t 480V	kA	50
а	t 600V	kA	50
<u>'</u>	tection		Fuse or CB
Group Motor Installation			
	t 240V	kA	50
	t 480V	kA	50
	t 600V	kA	50
·	tection		Fuse or CB
Tap Conductor Protection			
at 480Y	//277V	kA	50
	//347V	kA	50
at 600Y			
Maximum UL/CSA horsepower ratings single-phase			
Maximum UL/CSA horsepower ratings single-phase 110V	/-120V	HP	-
at 600Y Maximum UL/CSA horsepower ratings single-phase 110V 220V	/-120V /-240V	HP HP	- 1/10
Maximum UL/CSA horsepower ratings single-phase 110V 220V Maximum UL/CSA horsepower ratings three-phase, 3-pole	/-240V	HP	- 1/10
Maximum UL/CSA horsepower ratings single-phase 110V 220V Maximum UL/CSA horsepower ratings three-phase, 3-pole 200V	/-240V /-208V	HP HP	-
Maximum UL/CSA horsepower ratings single-phase 110V 220V Maximum UL/CSA horsepower ratings three-phase, 3-pole 200V 220V	/-240V /-208V /-240V	HP HP HP	-
Maximum UL/CSA horsepower ratings single-phase 110V 220V Maximum UL/CSA horsepower ratings three-phase, 3-pole 200V 220V 440V	/-240V /-208V	HP HP	-

Dimensions



Wiring diagrams







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Certifications and com	ipliance
Certifications	
	CSA C22.2 n° 14
	IEC/EN 60947-1
	IEC/EN 60947-2
	IEC/EN 60947-4-1
	UL508
Compliance	
	cULus
	EAC
ETIM classification	

ETIM 8.0

EC000074 -Motor protection circuit-breaker