

MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 100KA AT 400V, 0.25...0.4A



Product type designation SM1P Electrical features Number of poles Nr. 3 Magnetic protection yes Thermal protection yes Rated insulation voltage Ui IEC/EN V 690 Rated impulse withstand voltage Uimp kV 6 Rated frequency Hz 50/60 Thermal trip adjustment range 0.250.4 Rated current (In) A 0.4 Magnetic tripping 13 x In Power dissipation per pole
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Power dissipation per pole
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max W 1.99
Operational short-circuit current breaking capacity (Ics) at AC
230V kA 100
400V kA 100
440V kA 100
500V kA 100
690V kA 100
Maximum short-circuit current breaking capacity (Icu) at AC
230V kA 100
400V kA 100
440V kA 100
500V kA 100
690V 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 Ibin 22
max Ibin 26.5
Max number of wires simultaneously connectable Nr. 2
Conductor section
AWG/Kcmil
min 16
max 8

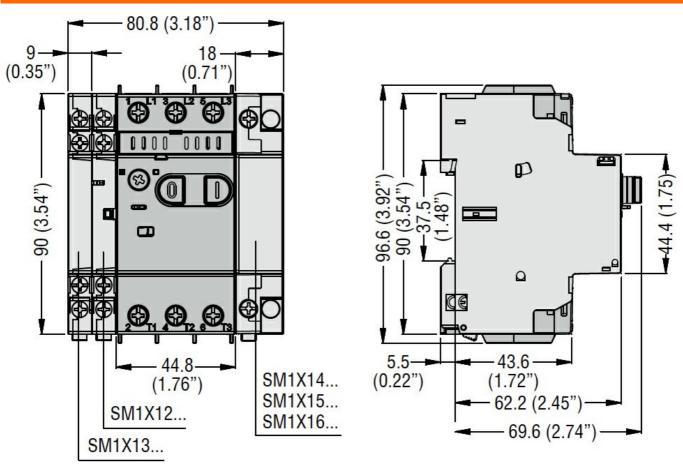


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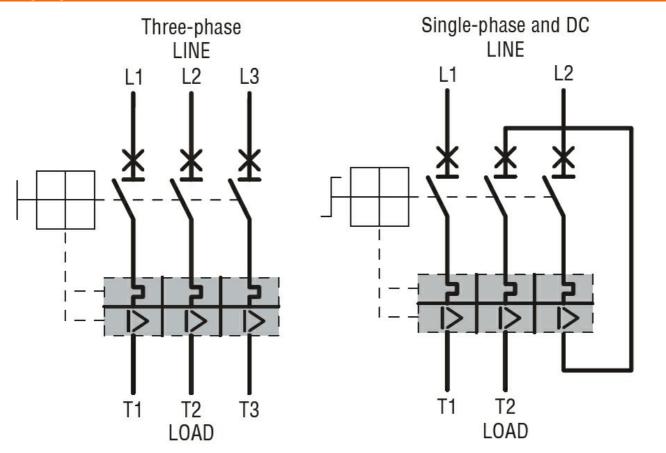
	Flexible w/o lug conductor section			
	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	min	mm²	1
		max	mm²	10
	Flexible c/w lug conductor section			
	· ·	min	mm²	1
		max	mm²	10
	Flexible with insulated spade lug conducto	r section		
		min	mm²	1
		max	mm²	10
Screwdriver				PH2
	ection according to IEC/EN 60529			IP20 on front
Cable stripping lengt	ht			
		main circuit	mm	12
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-20
	Otana na tanan ing ba	max	°C	+60
	Storage temperature	!	°C	FO
		min	°C	-50
	Companyation to magaziture	max	<u> </u>	+80
	Compensation temperature	min	°C	-20
		max	°C	+50
Max altitude		IIIdX	 	3000
Operating position				3000
Operating position		normal		Vertical plan
		allowable		Any
		<u> </u>		Screw / DIN rail
Fixing				35mm
Weight			g	280
UL technical data				
Motor Disconnect				
		at 240V	kA	50
		at 480V	kA	50
		at 600V	kA	50
		protection		Fuse or CB
Group Motor Installa	tion			
		at 240V	kA	50
		at 480V	kA	50
		at 600V	kA	50
T. O. I. (5 :		protection		Fuse or CB
Tap Conductor Prote	ection	- 1 400 1/0771		50
		at 480Y/277V	kΑ	50
Maximum III /004 I		at 600Y/347V	kA	50
iviaximum UL/CSA h	orsepower ratings single-phase	4401/4001/	LID	
		110V-120V	HP ud	-
Maximum III /CCA L	oreanower ratings three phase 2 pale	220V-240V	HP	-
IVIAXIIIIUIII UL/CSA N	orsepower ratings three-phase, 3-pole	2007 2007	UD	
		200V-208V 220V-240V	HP HP	-
		440V-480V	пr HP	-
		550V-600V	HP	-
		300 V 000 V		

ENERGY AND AUTOMATION

Dimensions



Wiring diagrams







ENERGY AND AUTOMATION

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Certifications and co	ompliance	
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