

## MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 25KA AT 400V,



Product designation			Motor protection circuit breaker
Product type designation			SM1P
Electrical features			
Number of poles		Nr.	3
Magnetic protection			yes
Thermal protection			yes
Phase failure detection			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			914
Rated current (In)		Α	14
Magnetic tripping			13 x ln
Total power dissipation		W	2.73
Operational short-circuit current breaking capacity (lcs) at AC			
	230V	kA	100
	400V	kA	12.5
	440V	kA	5
	500V	kA	5
	690V	kA	3
Maximum short-circuit current breaking capacity (Icu) at AC			
	230V	kA	100
	400V	kA	25
	440V	kA	10
	500V	kA	10
	690V	kA	3
Breaking capacity short-circuit current (Icn) at DC			
	150V	kA	0
	300V	kA	0
	450V	kA	0
Tripping class			10A
IEC Utilization category			Α
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	Ibin	26.5
Max number of wires simultaneously connectable		Nr.	2
Conductor section			

AWG/Kcmil



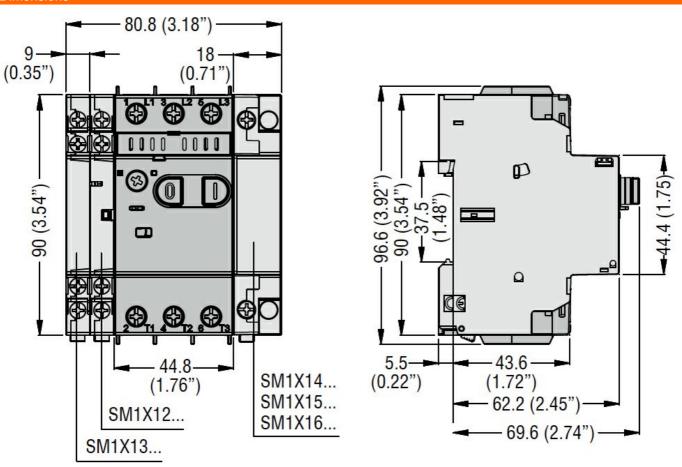
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		min		16
		max		8
	Flexible w/o lug conductor section			
		min	mm²	1
	Flexible c/w lug conductor section		2	
	Elegation State Leave Laborated and Laborated	min	mm²	1
	Flexible with insulated spade lug conducto			4
Caravidrivar		min	mm²	1
Screwdriver	taction according to IEC/EN 60520			PH2 IP20
	stection according to IEC/EN 60529			IP2U
Cable stripping len	gni	main circuit	mm	1
Ambient conditions		main circuit	mm	ı
Temperature				
remperature	Operating temperature			
	Operating temperature	min	°C	-20
		max	°C	+60
	Storage temperature	max		
	Ctorago temporataro	min	°C	-50
		max	°C	+80
	Compensation temperature	<u></u>		
	·	min	°C	-20
		max	°C	+50
Max altitude			m	3000
Operating position				
		normal		Vertical plan
		allowable		Any
Fixing				Screw / DIN rail 35mm
Weight			g	350
UL technical data				
Motor Disconnect				
		at 240V	kA	30
		at 480V	kA	30
		at 600V	kA	30
		protection		100A class J
Group Motor Install	ation			
		at 240V	kA	30
		at 480V	kA	30
		at 600V	kA	30
Ton Conductor De-	tootion	protection		100A class J
Tap Conductor Pro	NECHOTI	ot 400V/077V	LΛ	50
		at 480Y/277V at 600Y/347V	kA kA	50 50
	4-1 Manual Self Protected Combination Motor C			
0L300 / UL 00947-	T I Mariual Sell Frotected Combination Motor C	at 240V	kA	50
		at 240V at 480Y/277V	kA kA	50
		at 600Y/347V	kA kA	50
Maximum III /CSA	horsepower ratings single-phase	at 0001/347 V	IV/\	
Maximum OL/COA	norsepower raungs single-priase	110V-120V	HP	3/4
		220V-240V	HP	2
Maximum III /CSA	horsepower ratings three-phase, 3-pole	220V-240V	1 11.	<u></u>
Waxiiiaiii OL/OSA	norsopowor raungs unee-phase, s-pole	200V-208V	HP	3
		200 V -200 V	1.11.	5

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220V-240V HP 3 440V-480V HP 10

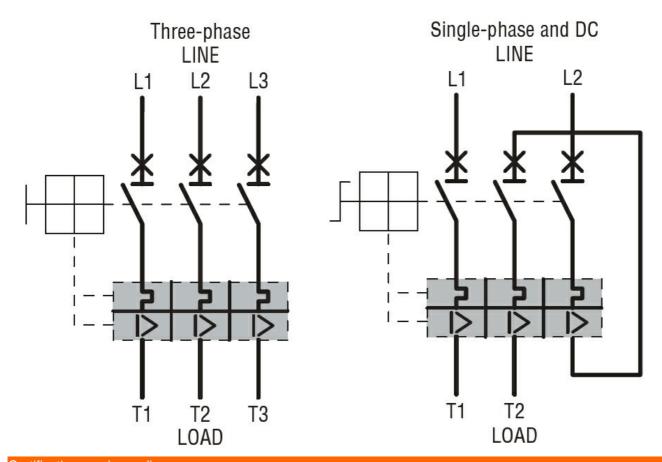
#### **Dimensions**



#### Wiring diagrams



ENERGY AND AUTOMATION



### Certifications and compliance

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