

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
Power dissipation per pole			_
	min	W	1.13
	max	W	2.73
Operational short-circuit current breaking capacity (Ics) 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			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
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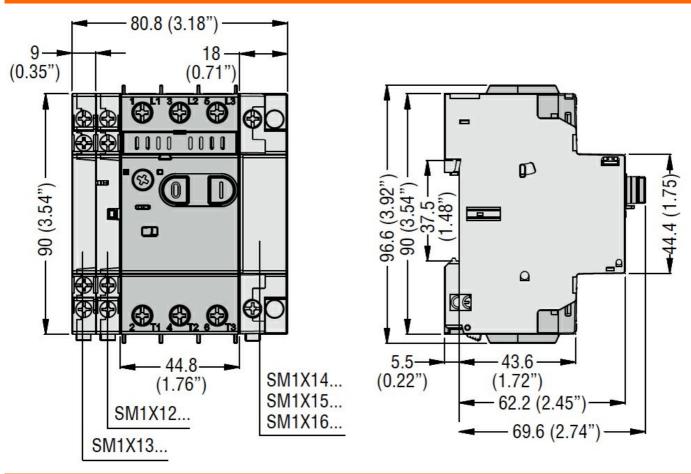
Conductor section				
	AWG/Kcmil			
		min		16
		max		8
	Flexible w/o lug conductor section		2	
		min	mm²	1
	Florible about a conduction of the	max	mm²	10
	Flexible c/w lug conductor section	min	mama ²	4
		min	mm² mm²	1 10
	Flexible with insulated spade lug conductor section	max	111111	10
	Flexible with insulated space lug conductor section	min	mm²	1
		max	mm²	10
Screwdriver		max		PH2
	ction according to IEC/EN 60529			IP20 on front
Cable stripping lengh				11 20 011 110110
sable stripping length		n circuit	mm	12
Ambient conditions		on our		. =
Temperature				
	Operating temperature			
	operature	min	°C	-20
		max	°C	+60
	Storage temperature			
		min	°C	-50
		max	°C	+80
	Compensation temperature			
		min	°C	-20
		max	°C	+50
Vlax altitude			m	3000
Operating position				
		normal		Vertical plan
	al	lowable		Any
ixing				Screw / DIN rai
				35mm
Weight JL technical data			g	350
Motor Disconnect				
MOTOL DISCOLLIBECT		at 240V	kA	30
		at 480V	kA kA	30
		at 400V at 600V	kA kA	30
		otection	IV t	100A class J
Group Motor Installati	•	-10011011		
2. 35po.o. motanati		at 240V	kA	30
		at 480V	kA	30
		at 600V	kA	30
		otection	-	100A class J
Tap Conductor Protect	·			<u> </u>
		Y/277V	kA	50
		Y/347V	kA	50
Maximum UL/CSA ho	prsepower ratings single-phase			
		1/4001/	HP	3/4
	110	V-120V	ПГ	J/ 4



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200V-208V HP 3 220V-240V HP 3 440V-480V HP 10

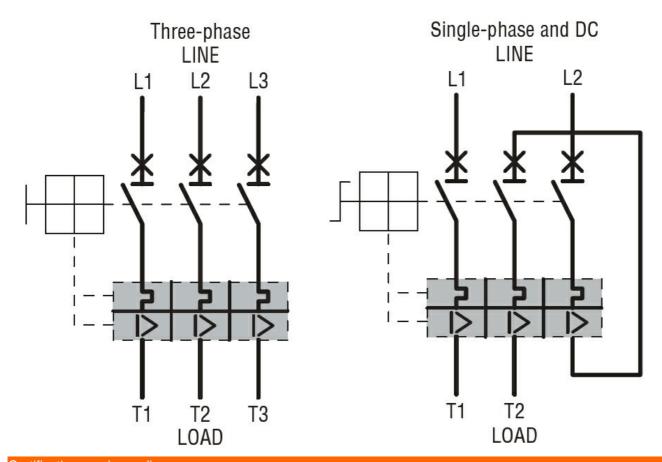
Dimensions



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