SM1R4000

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MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 20KA AT 400V,



Product designation			Motor protective circuit breaker
Product type designation Electrical features			SM1R
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			3040
Rated current (In)		Α	40
Magnetic tripping		,,	13 x In
Total power dissipation		W	6.12
Operational short-circuit current breaking capacity (Ics) at AC		• • •	0.12
oporational orion circuit outlone broaking capacity (166) at 7.6	230V	kA	100
	400V	kA	10
	440V	kA	5
	500V	kA	5
	690V	kA	2
Maximum short-circuit current breaking capacity (Icu) at AC		10 (
Waximam onor oroan broaking capacity (roa) at he	230V	kA	100
	400V	kA	10
	440V	kA	20
	500V	kA	10
	690V	kA	4
Tripping class			10A
IEC Utilization category			A
Operations			
Mechanical life		cycles	100000
Electrical life		cycles	100000
Mechanical features		0,0100	100000
Tightening torque for terminals			
righterning terque for terminate	min	Nm	2.5
	max	Nm	3
	min	lbin	1.8
	max	lbin	2.2
Max number of wires simultaneously connectable		nr.	2
Conductor section			
AWG/Kcmil			
	min		16
	max		8
Flexible w/o lug conductor section			
. Ionizio in a lag delladotel deditori	min	mm²	1
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	Flexible c/w lug conductor section			
		min	mm²	1
	Flexible with insulated spade lug conductor section			
		min	mm²	1
Screwdriver				PH2
	tion according to IEC/EN 60529			IP20
Cable stripping lenght				
		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	3000
Operating position				
		normal		Vertical plan
		allowable		Any
Fixing				Screw / DIN rail 35mm
Weight			g	390
UL technical data				
Motor Disconnect				
		at 480V	kA	30
		at 600V	kA	30
		protection		200A class J
Group Motor Installation	on			
		at 480V	kA	30
		at 600V	kA	30
		protection		200A class J
Maximum UL/CSA hor	rsepower ratings single-phase			
		110V-120V	HP	3
		220V-240V	HP	7.5
Maximum UL/CSA hor	rsepower ratings three-phase, 3-pole			
		200V-208V	HP	10
		220V-240V	HP	10
		440V-480V	HP	30

Dimensions

550V-600V

HP

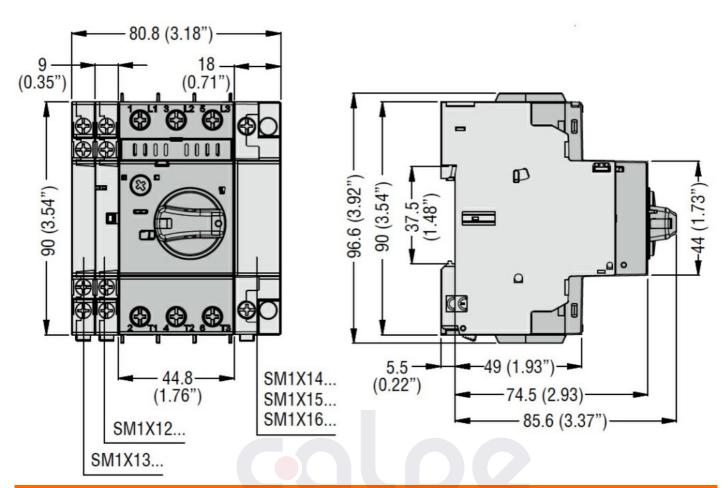
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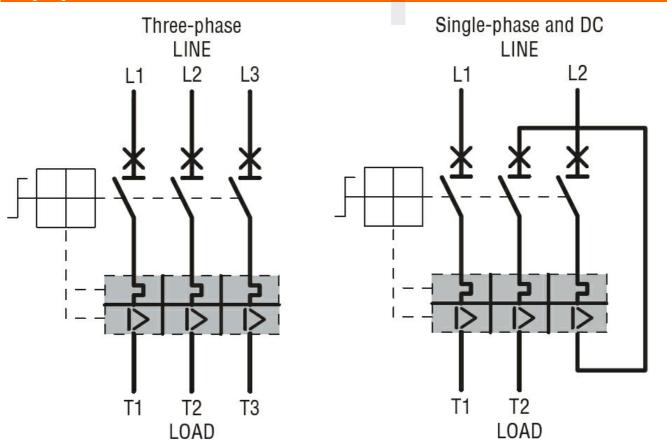
ENERGY AND AUTOMATION

INDUSTRIAL

MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 20KA AT 400V,



Wiring diagrams



Certifications and compliance

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ENERGY AND AUTOMATION

MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 20KA AT 400V,

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

EC000074 -**ETIM 8.0** Motor protection circuit-breaker



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