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Product designation				Motor protection circuit breaker
Product type designation				SM1R
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			kV	6
Rated frequency	- 1		Hz	50/60
Thermal trip adjustment range				0.250.4
Rated current (In)			А	0.4
Magnetic tripping				13 x ln
Total power dissipation			W	1.99
Operational short-circuit current	breaking capacity (Ics) at AC		••	
		230V	kA	100
		400V	kA	100
		400V 440V	kA	100
		500V	kA	100
		690V	kA	100
Maximum short-circuit current br	eaking capacity (Icu) at AC		10.1	100
		230V	kA	100
		400V	kA	100
		440V	kA	100
		500V	kA	100
		690V	kA	100
Tripping class		0001	10 1	10A
IEC Utilization category				A
Operations				,
Mechanical life			cycles	100000
Electrical life			cycles	100000
Mechanical features			0y0ic3	100000
Tightening torque for terminals				
rightering torque for terminate		min	Nm	2.5
		max	Nm	3
		min	Ibin	22
		max	Ibin	26.5
Max number of wires simultaneo	usly connectable	Пах	Nr.	2
Max number of wires simultaneously connectable Conductor section			1.11.	_
AWG/Ke	cmil			
AWO/K		min		16
		max		8
Flevible	w/o lug conductor section	max		<u> </u>
		min	mm²	1
		111111		1



electric MOTOR PROTECTION CIRCUIT BREAKER TYPE E, IEC BREAKING CAPACITY ICU 100KA AT

ENERGY AND AUTOMATION

OVE

400V, 0.25...0.4A

	Flexible c/w lug conductor section		
	min	mm²	1
	Flexible with insulated spade lug conductor section		
	, c min	mm²	1
Screwdriver			PH2
	otection according to IEC/EN 60529		IP20
Cable stripping len			
eable empping ion	main circuit	mm	1
Ambient conditions			·
Temperature			
romporataro	Operating temperature		
	min	°C	-20
	max	°C	+60
		U	+00
	Storage temperature	°C	50
	min	℃ ℃	-50
	max	U U	+80
	Compensation temperature	• •	20
	min	°C °°	-20
	max	°C	+50
Max altitude		m	3000
Operating position			
	normal		Vertical plan
	allowable		Any
Fixing			Screw / DIN rail 35mm
Weight		g	320
UL technical data		9	020
Motor Disconnect			
	at 480V	kA	50
			50
	at 600V	kA	
Oner Meter Inetal	protection		Fuse or CB
Group Motor Instal			50
	at 480V	kA	50
	at 600V	kA	50
	protection		Fuse or CB
Tap Conductor Pro			
	at 480Y/277V	kA	50
	at 600Y/347V	kA	50
UL508 / UL 60947	-4-1 Manual Self Protected Combination Motor Controller (Type E) Short	circuit cu	rrent
	at 240V	kA	50
	at 480Y/277V	kA	50
	at 600Y/347V	kA	50
Maximum UL/CSA	horsepower ratings single-phase		
	110V-120V	HP	-
	220V-240V	HP	-
Maximum UI /C.SA	horsepower ratings three-phase, 3-pole		
	200V-208V	HP	-
	2001-2001 220V-240V	HP	_
	440V-480V	HP	-
	550V-600V	HP	-
	5507-6007		-

Dimensions

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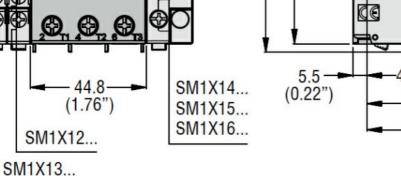


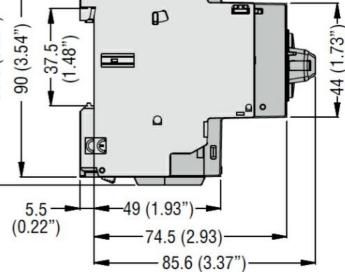
MOTOR PROTECTION CIRCUIT BREAKER TYPE E, IEC BREAKING CAPACITY ICU 100KA AT 400V, 0.25...0.4A

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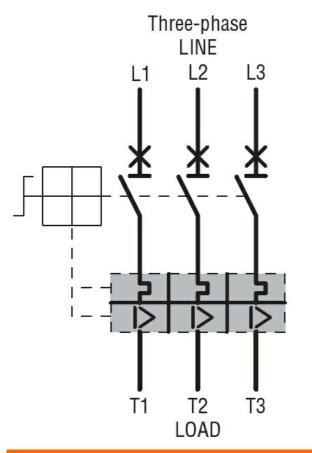
9

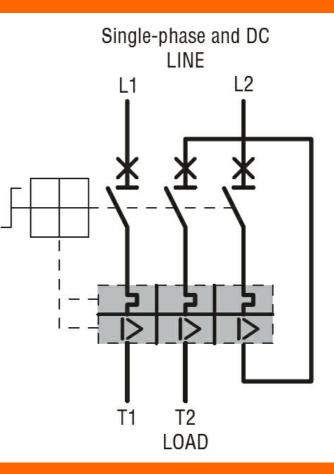
80.8 (3.18") 18 (0.35") (0.71)0000 -----P 96.6 (3.92") 90 (3.54") 90 (3.54") 37.5-0





Wiring diagrams





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The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



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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

EC000074 -Motor protection circuit-breaker