

INTERRUPTORES GUARDAMOTORES TYPE E, PODER DE CORTE EN CORTOCIRCUITO ICU A 400V = 100KA, 1...1,6A



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 Uimp		kV	6
Rated frequency		Hz	50/60
Thermal trip adjustment range			11.6
Rated current (In)		Α	1.6
Magnetic tripping			13 x ln
Power dissipation per pole			
	min	W	0.90
	max	W	2.30
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			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			4.0
	min		16
	max		8





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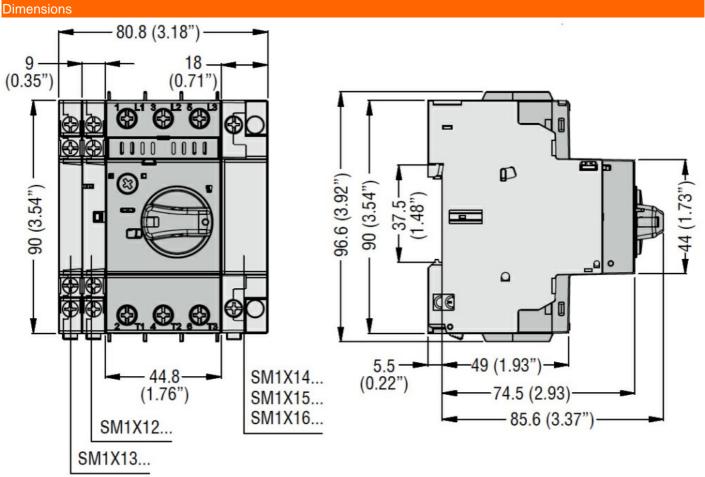
	Flexible w/o lug conductor section		
	min	mm²	1
	max	mm²	10
	Flexible c/w lug conductor section		
	min	mm²	1
	max	mm²	10
	Flexible with insulated spade lug conductor section		
	min	mm²	1
	max	mm²	10
Screwdriver			PH2
•	ction according to IEC/EN 60529		IP20 on front
Cable stripping lengh			4.0
A made in out on a madistic or a	main circuit	mm	12
Ambient conditions			
Temperature	Operating temperature		
	Operating temperature min	°C	-20
	min max	°C	-20 +60
	Storage temperature	U	TUU
	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	320
UL technical data			
Motor Disconnect			
	at 480V	kA	50
	at 600V	kA	50
	protection		Fuse or CB
Group Motor Installat			
	at 480V	kA	50
	at 600V	kA	50
-	protection		Fuse or CB
Tap Conductor Prote			
	at 480Y/277V	kΑ	50
III 500 / III 600 (7 f	at 600Y/347V	kA	50
UL508 / UL 60947-4-	1 Manual Self Protected Combination Motor Controller (Type E) Short of		
	at 240V	kA	65 65
	at 480Y/277V	kA	65 50
Maximum III /CCA ha	at 600Y/347V prsepower ratings single-phase	kA	50
IVIAXIIIIUIII UL/USA N	orsepower ratings single-phase 110V-120V	HP	_
	220V-240V	HP	1/10
Maximum III /CSA ha	prsepower ratings three-phase, 3-pole	i IF	1/ 10
WIGAIITIGITI OL/OOA TI	200V-208V	HP	_
	200V-208V 220V-240V	HP	_
	220 V -240 V		



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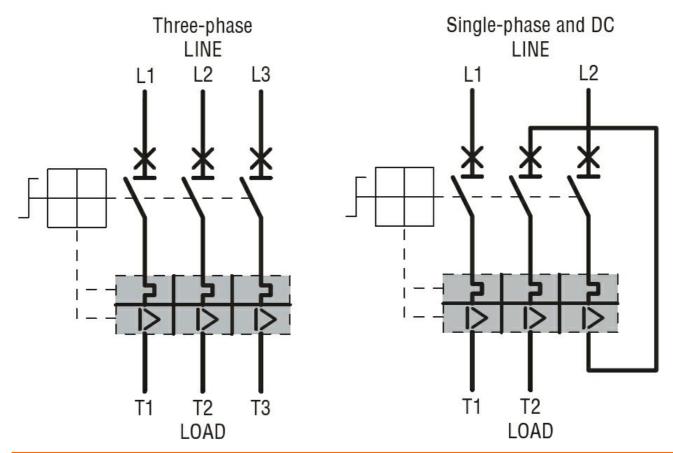
440V-480V HP 3/4

550V-600V HP 1



Wiring diagrams

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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