

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

ENERGY AND AUTOMATION



roduct designation				Motor protective circuit breaker
roduct type designation				SM1R
ectrical features				O.M. T.
umber of poles			nr.	3
agnetic protection				yes
nermal protection				yes
hase failure detection				Yes
ated insulation voltage Ui I	EC/EN		V	690
ated impulse withstand vol	tage Uimp		kV	6
ated frequency			Hz	50/60
hermal trip adjustment rang	ge			0.250.4
ated current (In)			Α	0.4
agnetic tripping				13 x ln
otal power dissipation			W	1.99
perational short-circuit curr	rent breaking capacity (Ics) at AC			
		230V	kA	100
		400V	kA	100
		440V	kA	100
		500V	kA	100
		690V	kA	100
aximum short-circuit currer	nt breaking capacity (Icu) at AC			
		230V	kA	100
		400V	kA	100
		440V	kA	100
		500V	kA	100
		690V	kA	100
ripping class				10A
C Utilization category				A
perations				71
lechanical life			cycles	100000
lectrical life			cycles	100000
echanical features			cycles	100000
ghtening torque for termina	ale			
gritering torque for terrining		min	Nm	2.5
			Nm	3
		max	lbin	1.8
		min	lbin	2.2
lax number of wires simulta	anno ushi anno otohla	max		2
	aneously connectable		nr.	
onductor section	AMO/I/			
	AWG/Kcmil			40
		min		16
		max		8
	Flexible w/o lug conductor section		_	
		min	mm²	1
	Flexible c/w lug conductor section			
		min	mm²	1
	Flexible with insulated spade lug conductor section			
		min	mm²	1
crewdriver				PH2
ower terminal protection a	ccording to IEC/EN 60529			IP20
able stripping lenght				
•		main circuit	mm	1
mbient conditions				
emperature				
	Operating temperature			
	-1	min	°C	-20
		max	°C	60
	Storage temperature	max		
	5.5.ago temperatare	min	°C	-50
		max	°C	80
	Compensation temperature	ilidX	U	00
	Compensation temperature	min	°C	-20
		min	°C	-20 50
av altituda		max		
ax altitude			m	3000
perating position				
		normal		Vertical plan
		allowable		Any
xing				Screw / DIN rail 35mm
eight			g	320
L technical data				
FOO / LIL COO 47 4 4 Man.	al Motor Controller - Short circuit current			
otor Disconnect				





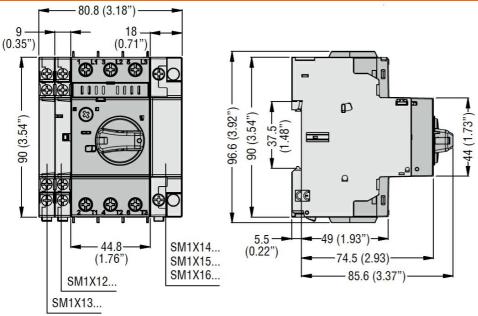
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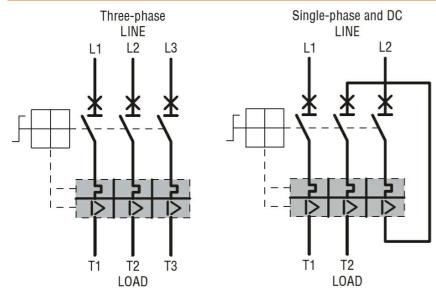
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	at 600V	kA	50
	protection		Fuse or CB
Group Motor Installation			
	at 480V	kA	50
	at 600V	kA	50
	protection		Fuse or CB
Tap Conductor Protection			
	at 480Y/277V	kA	50
	at 600Y/347V	kA	50
UL508 / UL 60947-4-1 Manual Self Protected Combination Motor Controller (Type E) Short circuit current			

UL508 / UL 60947-4-1 Manual Self Protected Combination Motor Controller (Type E) Short-circuit current at 240 UL508 / UL 60947-4-1 Manual Self Protected Combination Motor Controller (Type E) Short-circuit current at 480 UL508 / UL 60947-4-1 Manual Self Protected Combination Motor Controller (Type E) Chort-circuit current at 600

Maximum UL/CSA horsepower ratings single-phase			
	at 110V-120V	hp	-
	at 220V-240V	hp	-
Maximum UL/CSA horsepower ratings three-phase, 3-pole			
	at 200V-208V	hp	-
	at 220V-240V	hp	-
	at 440V-480V	hp	-
	at 550V-600V	hp	-





Certifications

CSA C22.2 n° 14 IEC/EN 60947-1

IEC/EN 60947-2

IEC/EN 60947-4-1



SM1R0040

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	UL508			
Compliance				
	cULus			
	EAC			

FTIM 6 classification