electric MOTOR PROTECTION CIRCUIT BREAKER TYPE E, IEC BREAKING CAPACITY ICU 100KA AT 400V, 4...6.5A

ENERGY AND AUTOMATION



oduct designation				Motor protective circuit breaker
oduct type designation				SM1R
ectrical features				
ımber of poles			nr.	3
agnetic protection				yes
ermal protection hase failure detection				yes
ase failure detection ated insulation voltage Ui IE	C/FN		V	Yes 690
ated impulse withstand volta			kV	6
ated frequency	90 01111		Hz	50/60
ermal trip adjustment range				46.5
ated current (In)			Α	6.5
agnetic tripping				13 x ln
tal power dissipation			W	1.99
perational short-circuit curre	nt breaking capacity (Ics) at AC			
		230V	kA	100
		400V	kA	100
		440V	kΑ	100
		500V 690V	kA kA	100 2
aximum short-circuit current	breaking capacity (Icu) at AC	090 V	NA .	
mani onore on our our or	Distalling supusity (184) at 718	230V	kA	100
		400V	kA	100
		440V	kA	100
		500V	kA	100
		690V	kA	4
ipping class				10A
C Utilization category				Α
perations				
echanical life			cycles	100000
ectrical life			cycles	100000
echanical features ghtening torque for terminals	•			
gritering torque for terriman	•	min	Nm	2.5
		max	Nm	3
		min	Ibin	1.8
		max	Ibin	2.2
ax number of wires simultan	eously connectable		nr.	2
onductor section	•			
	AWG/Kcmil			
		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		2	
		min	mm²	1
rewdriver	and in the IEO/EN COFOO			PH2
ower terminal protection acc	ording to IEC/EN 60529			IP20
able stripping lenght		main circuit	m.m	4
nbient conditions		main circuit	mm	1
mperature				
	Operating temperature			
	-F	min	°C	-20
		max	°C	60
	Storage temperature			
	•	min	°C	-50
		max	°C	80
	Compensation temperature			
		min	°C	-20
		max	°C	50
x altitude			m	3000
perating position				
		normal		Vertical plan
		allowable		Any
				Screw / DIN rail 35mm
king			g	390
eight				
eight . technical data				
eight		at 480V	kA	30



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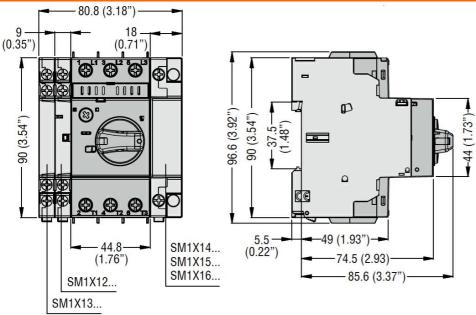
protection		Fuse or CB
at 480V	kA	30
at 600V	kA	30
protection		Fuse or CB
at 480Y/277V	kA	30
at 600Y/347V	kA	30
	at 480V at 600V protection at 480Y/277V	at 480V kA at 600V kA protection

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

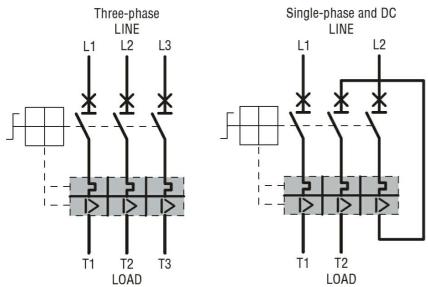
UL508 / UL 60947-4-1 Manual Self Protected Combination Motor Controllet (Type E) (Short-circuit current at 240 UL508 / UL 60947-4-1 Manual Self Protected Combination Motor Controllet (Type E) (Short-circuit current at 480 UL508 / UL 60947-4-1 Manual Self Protected Combination Motor Controllet (Type E)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

Maximum UL/CSA horsepower ratings single-phase 110V-120V ΗP 1/4 ΗP 220V-240V 1/2 Maximum UL/CSA horsepower ratings three-phase, 3-pole 200V-208V HP 1.5 220V-240V ΗP 1.5 440V-480V ΗP 3 550V-600V ΗP

Dimensions



Wiring diagrams



Certifications and compliance

Certifications

CSA C22.2 n° 14 IEC/EN 60947-1 IEC/EN 60947-2 IEC/EN 60947-4-1



SM1R0650 MOTOR PROTECTION CIRCUIT BREAKER TYPE E, IEC BREAKING CAPACITY ICU 100KA AT

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Compliance	

cULus EAC

ETIM 8.0

EC000074 - Motor protection circuit-breaker