

Product designation

Magnetic protection

Thermal protection

Rated frequency

Rated current (In)

Magnetic tripping

Tripping class

IEC Utilization category

Total power dissipation

Phase failure detection

Electri Number of poles

SM1P2300 MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 15KA AT 400V, 17...23A



Motor protective circuit breaker SM1P Product type designation nr. 3 yes yes yes Rated insulation voltage Ui IEC/EN V 690 Rated impulse withstand voltage Uimp kV 6 50/60 Hz Thermal trip adjustment range 17...23 А 23 13 x In W 3.41 Operational short-circuit current breaking capacity (Ics) at AC 230V kA 50 400V kΑ 5 440V kA 5 500V kA 5 690V kΑ 2 Maximum short-circuit current breaking capacity (Icu) at AC 230V kΑ 50 400V kA 15 440V kΑ 10 500V kA 10 690V kΑ 2 10A А

Operations		
Mechanical life	cycles	100000
Electrical life	cycles	100000
Mechanical features		
Tightening torque for terminals		

min

Nm

°C

°C

m

-20

50

3000

min

max

2.5

		max	Nm	3
		min	lbin	1.8
		max	lbin	2.2
Max number of wires simult	taneously connectable		nr.	2
Conductor 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			
		min	mm²	1
Screwdriver				PH2
Power terminal protection a	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

Max altitude

SM1P2300

Compensation temperature

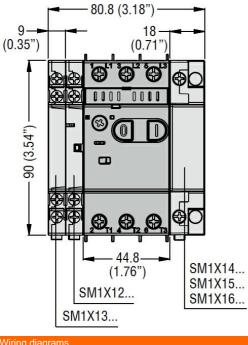


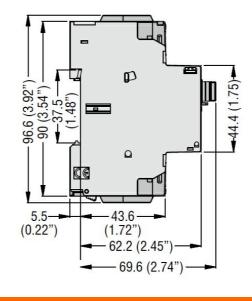
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ENERGY AND AUTOMATION

Operating position		
normal		Vertical plan
allowable		Any
Fixing		Screw / DIN rail 35mm
Neight	g	350
UL technical data		
UL508 / UL60947-4-1 Manual Motor Controller - Short circuit current		
Motor Disconnect		
at 240V	kA	5
at 480V	kA	5
protection		Fuse or CB
Group Motor Installation		
at 240V	kA	5
at 480V	kA	5
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 M	otor KA ontr	oller5(Type E) Short-circuit (
UL508 / UL 60947-4-1 Manual Self Protected Combination M	otor KAontr	oller5(Crype E) Short-circuit
UL508 / UL 60947-4-1 Manual Self Protected Combination M	otor KAontr	oller5(0Type E) Short-circuit o

Maximum OL/CSA horsepower ratings single-phase			
	at 110V-120V	hp	1.5
	at 220V-240V	hp	3
Maximum UL/CSA horsepower ratings three-phase, 3-pole			
	at 200V-208V	hp	5
	at 220V-240V	hp	7.5
	at 440V-480V	hp	15
	at 550V-600V	hp	20
Dimensions			





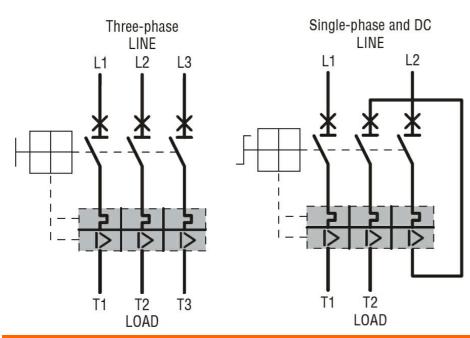
Wiring diagram

SM1P2300





MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 15KA AT 400V, 17...23A



Certifications and complia	
Certifications	
	CSA C22.2 n° 14
	IEC/EN 60947-1
	IEC/EN 60947-2
	IEC/EN 60947-4-1
	UL508
Compliance	
	cULus
	EAC
FTIM 6 classification	

ETIM 6 classificati