

Product designation

Electri

Product type designation

feature

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



Motor protective circuit breaker SM1P

nr.

V

kV

Hz

А

W

kA

kΑ

kA

kA

kΑ

kΑ

kΑ

kΑ

kA

Nm

°C

°C

°C

°C

m

min max

min

max

-50

80

-20

50

3000

230V

400V

440V

500V

690V

230V

400V

440V

500V

min

3

yes

yes

Yes

690

50/60

17...23

13 x In

6

23

3.41

50

5

5

5

2

50

15

10

10

2.5

Number of poles Magnetic protection Thermal protection Phase failure detection Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp Rated frequency Thermal trip adjustment range Rated current (In) Magnetic tripping Total power dissipation Operational short-circuit current breaking capacity (Ics) at AC Maximum short-circuit current breaking capacity (Icu) at AC

Compensation temperature

	690V kA	2
Tripping class		10A
IEC Utilization category		A
Operations		
Mechanical life	cycles	100000
Electrical life	cycles	100000
Mechanical features		
Tightening torque for terminals		

				2.0
		max	Nm	3
		min	lbin	1.8
		max	lbin	2.2
Max number of wires sime	ultaneously 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	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			

Max altitude

SM1P2300

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

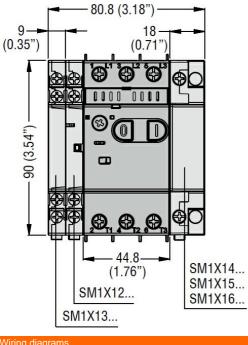


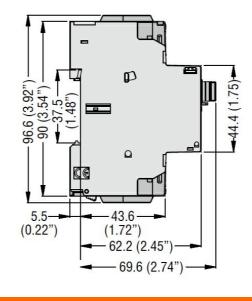
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ENERGY AND AUTOMATION

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			





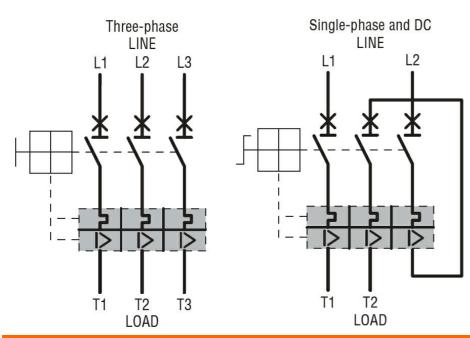
Wiring diagram

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