

INDUSTRIAL MARINE RAILWAY

SM1P2300

MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 15KA AT 400V,



Product designation			Motor protective circuit breaker
Product type designation			SM1P
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			1723
Rated current (In)		Α	23
Magnetic tripping			13 x ln
Total power dissipation		W	3.41
Operational short-circuit current breaking capacity (Ics) at AC			
	230V	kA	50
	400V	kA	5
	440V	kA	5
	500V	kA	5
	690V	kA	2
Maximum short-circuit current breaking capacity (Icu) at AC			
3 1 7 7	230V	kA	50
	400V	kA	15
	440V	kA	10
	500V	kA	10
	690V	kA	2
Tripping class			10A
IEC Utilization category			A
Operations			
Mechanical life		cycles	100000
Electrical life		cycles	100000
Mechanical features		0,0.00	10000
Tightening torque for terminals			
rightening terque for terminate	min	Nm	2.5
	max	Nm	3
	min	Ibin	1.8
	max	Ibin	2.2
Max number of wires simultaneously connectable	тисх	nr.	2
Conductor section			
AWG/Kcmil			
AWO/Remii	min		16
	max		8
Flexible w/o lug conductor section	παλ		<u> </u>
i levible wio lag colladolol section	min	mm²	1
		111111	•

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ENERGY AND ACTOMATION				
	Flexible c/w lug conductor section			
		min	mm²	1
	Flexible with insulated spade lug conductor section			
		min	mm²	1
Screwdriver				PH2
	ction according to IEC/EN 60529			IP20
Cable stripping lenght				
A malaine to a malition o		main circuit	mm	1
Ambient conditions				
Temperature	Operating temperature			
	Operating temperature		°C	20
		min	°C	-20 60
	Characte to man anature	max	C	60
	Storage temperature	min	°C	-50
			°C	-50 80
	Componentian tomporature	max	U	00
	Compensation temperature	min	°C	-20
		max	°C	50
Max altitude		Шах	m	3000
Operating position			111	3000
Operating position		normal		Vertical plan
		allowable		Vertical plan
		allowable		Any Screw / DIN rail
Fixing				35mm
Weight			g	350
UL technical data			9	000
Motor Disconnect				
Motor Biocornioct		at 240V	kA	5
		at 480V	kA	5
		protection	IV-1	Fuse or CB
Group Motor Installation	on	p.0.00001		. 400 01 00
C. Sup Motor motuliation	···	at 240V	kA	5
		at 480V	kA	5
		protection	IV-1	Fuse or CB
Tap Conductor Protect	tion	protoction		. 400 01 00
.ap conductor rotoc		at 480Y/277V	kA	50
		at 4001/277 v at 600Y/347V	kA	50
	Manual Self Protected Combination Motor Controller (
01000 / 01 000 + / - 4 - /	. Mariaa con rifototoa combination Motor controller (at 240V	kA	50
		at 480Y/277V	kA	50
		at 600Y/347V	kA	50
Maximum III /CSA ho	rsepower ratings single-phase	ut 0001/0 1 7 V	IVA	30
WIGAIITIGHT OL/OOA NO	Toopowor Tallings single pridse	110V-120V	HP	1.5
		220V-240V	HP	3
Maximum III /CSA ho	rsepower ratings three-phase, 3-pole	220 V 270 V	- ' ''	<u> </u>
Maximum OL/COA NO	rocpower raungo unde-pridoe, o-pole	200V-208V	HP	5
		200 V - 200 V	115	J

Dimensions

CALPE.NL

7.5

15

ΗP

ΗP

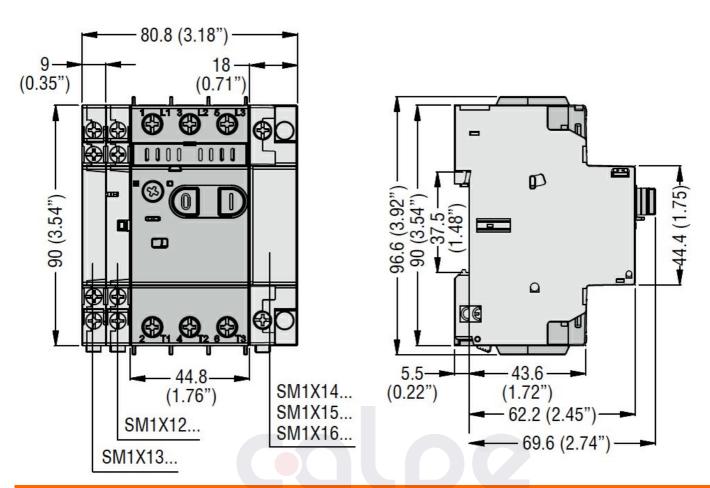
220V-240V

440V-480V

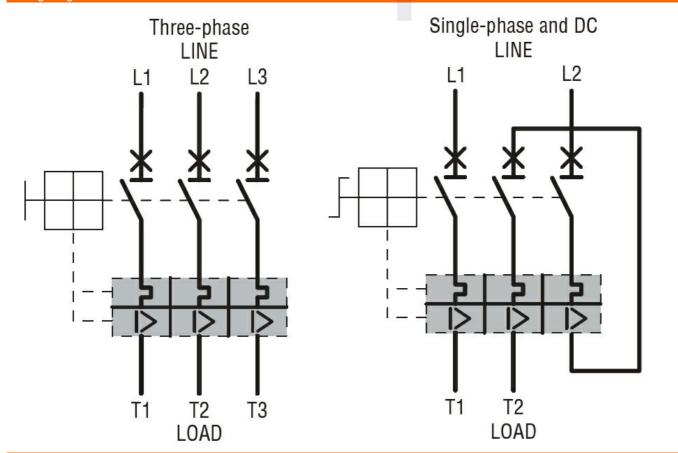
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Wiring diagrams



Certifications and compliance

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Certifications

Compliance

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

UL508

cULus

EAC

ETIM classification

EC000074 -**ETIM 8.0** Motor protection circuit-breaker

