

INDUSTRIAL MARINE RAILWAY

SM1P3200

MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 10KA AT 400V,



	Product designation				Motor protective
Number of poles					
Number of poles		on .			SMIP
Magnetic protection yes Thermal protection yes Phase failure detection Yes Phase failure detection V 690 Rated insulation voltage Ui IEC/EN V 690 Rated impulse withstand voltage Uimp kV 6 Rated frequency Hz 50/60 Thermal trip adjustment range 2432 Rated current (In) A 32 Magnetic tripping 13 x ln Total power dissipation W 4.42 Operational short-circuit current breaking capacity (Ics) at AC 230V kA 5 Maximum short-circuit current breaking capacity (Icu) at AC 230V kA 5 Maximum short-circuit current breaking capacity (Icu) at AC 230V kA 5 Maximum short-circuit current breaking capacity (Icu) at AC 230V kA 5 Maximum short-circuit current breaking capacity (Icu) at AC 230V kA 5 Maximum short-circuit current breaking capacity (Icu) at AC 230V kA 5 Maximum short-circuit current breaking capacity (Icu) at AC<				nr.	2
Thermal protection				nr.	
Phase failure detection					•
Rated insulation voltage Ui IEC/EN					
Rated impulse withstand voltage Uimp					
Hz 50/60					
Thermal trip adjustment range	· · · · · · · · · · · · · · · · · · ·	d voltage Uimp			
Rated current (In)				Hz	
Magnetic tripping		t range			
Total power dissipation W 4.42	Rated current (In)			Α	32
Comparison	Magnetic tripping	_			13 x ln
230V kA 50	Total power dissipation			W	4.42
A00V	Operational short-circui	t current breaking capacity (Ics) at AC			
Maximum short-circuit current breaking capacity (Icu) at AC 230V kA 5 500V kA 2 2 2 2 2 2 2 2 2			230V	kA	50
S00V kA 5 690V kA 2			400V	kA	5
Maximum short-circuit current breaking capacity (Icu) at AC 230V kA 50 4400V kA 10 440V kA 10 500V kA 2 2 2 2 2 2 2 2 2			440V	kA	5
Maximum short-circuit current breaking capacity (Icu) at AC			500V	kA	5
230V			690V	kA	2
230V	Maximum short-circuit o	current breaking capacity (Icu) at AC			
A00V		3 1 7 7	230V	kA	50
A40V					
S00V KA 10 690V KA 2 2 2 2 2 2 2 2 2					
Figure F					
Tripping class					
C Utilization category	Tripping class				
Mechanical life cycles 100000		,			
Mechanical life					, , , , , , , , , , , , , , , , , , ,
Electrical life	_ .			cycles	100000
Mechanical features Tightening torque for terminals min Nm 2.5 max Nm 3 min Ibin 1.8 max Ibin 2.2 Max number of wires simultaneously connectable nr. 2 Conductor section AWG/Kcmil min 16 max 8 Flexible w/o lug conductor section Flexible w/o lug conductor section Tight Tigh					
Min Nm 2.5 max Nm 3 min lbin 1.8 max lbin 2.2 max nm. min max lbin 2.2 max lbin 2.				Cycles	100000
min Nm 2.5 max Nm 3 min lbin 1.8 max lbin 2.2		rminolo			
max Nm 3 min Ibin 1.8 max Ibin 2.2	rightening torque for te	IIIIIIais		Nima	0.5
min lbin 1.8 max lbin 2.2					
Max number of wires simultaneously connectable nr. 2 Conductor section AWG/Kcmil min nax 16 max Flexible w/o lug conductor section Flexible w/o lug conductor section					
Max number of wires simultaneously connectable nr. 2 Conductor section AWG/Kcmil min 16 max 8 Flexible w/o lug conductor section Flexible w/o lug conductor section					
Conductor section AWG/Kcmil min 16 max 8 Flexible w/o lug conductor section			max		
AWG/Kcmil min 16 max 8 Flexible w/o lug conductor section	·		nr.	2	
min 16 max 8 Flexible w/o lug conductor section	Conductor section				
max 8 Flexible w/o lug conductor section		AWG/Kcmil			
Flexible w/o lug conductor section					
y			max		8
min mm² 1		Flexible w/o lug conductor section			
			min	mm²	1

Dimensions

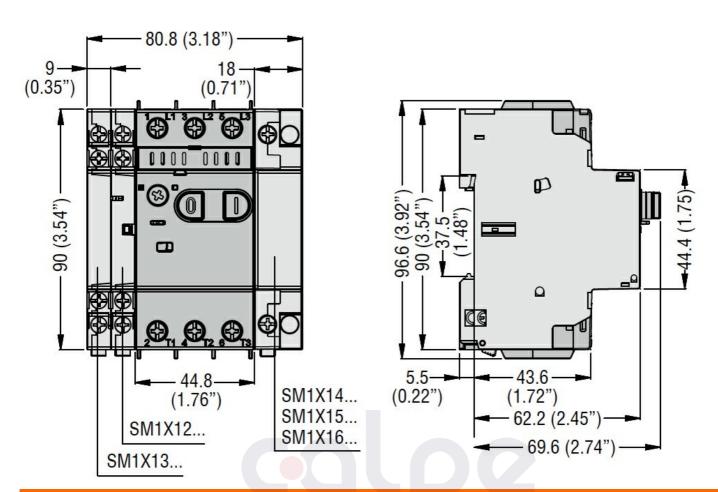


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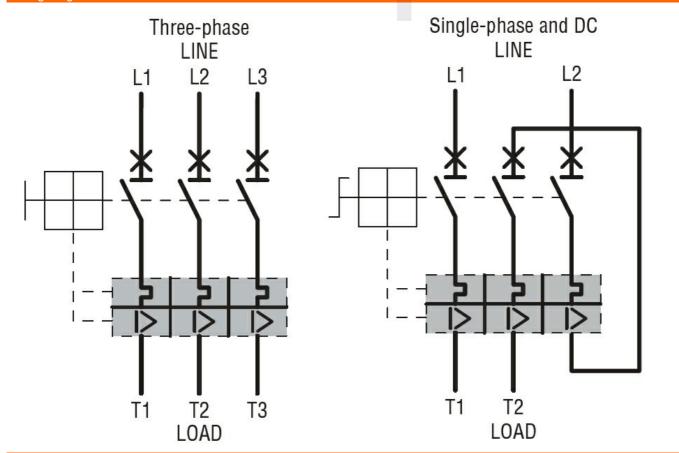
ENERGYANDAGONANON					
	Flexible c/w lug conductor section				
	Flexible C/W lug conductor Section	min	mm²	1	
	Flexible with insulated spade lug conductor section	111111	111111	<u> </u>	
	riexible with insulated spade lug conductor section	min	mm²	1	
Screwdriver		111111	111111	PH2	
Power terminal protection according to IEC/EN 60529				IP20	
Cable stripping lenght				IF ZU	
Cable stripping length		main circuit	mm	1	
Ambient conditions		main circuit	mm	I	
Temperature					
remperature	Operating temperature				
	Operating temperature	min	°C	-20	
		max	°C	60	
	Storage temperature	IIIdx			
	Storage temperature	min	°C	-50	
		max	°C	80	
	Compensation temperature	max			
	Compensation temperature	min	°C	-20	
		max	°C	50	
Max altitude		max	m	3000	
Operating position			111	3000	
Operating position		normal		Vertical plan	
		allowable		Any	
		allowable		Screw / DIN rail	
Fixing				35mm	
Weight			g	350	
UL technical data			9		
Motor Disconnect					
		at 240V	kA	5	
		at 480V	kA	5	
		protection		Fuse or CB	
Group Motor Installation	on	processing			
oroup motor motorian		at 240V	kA	5	
		at 480V	kA	5	
		protection		Fuse or CB	
Tap Conductor Protec	tion	processing			
		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					
		at 240V	kA	50	
		at 480Y/277V	kA	50	
		at 600Y/347V	kA	50	
Maximum UL/CSA hor	rsepower ratings single-phase				
	. 5 5 1 3 2	110V-120V	HP	2	
		220V-240V	HP	5	
Maximum UL/CSA hor	rsepower ratings three-phase, 3-pole				
		200V-208V	HP	10	
		220V-240V	HP	10	
		440V-480V	HP	20	

ENERGY AND AUTOMATION

MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 10KA AT 400V,



Wiring diagrams



Certifications and compliance

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MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 10KA AT 400V,

Certifications

CSA C22.2 n° 14 IEC/EN 60947-1 IEC/EN 60947-2 IEC/EN 60947-4-1 **UL508**

Compliance

cULus EAC

ETIM classification

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

