

SM1P3200 MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 10KA AT 400V, 24...32A



Product designation				SM1P
Product type designation				Motor protective
				circuit breaker
Electrical features				
Number of poles			nr.	3
Magnetic protection				Yes
Thermal protection				Yes
Phase failure detection	1			Yes
Rated insulation voltag	e Ui		V	690
Rated impulse withstar	nd voltage Uimp		kV	6
Rated frequency			Hz	50/60
Thermal trip adjustmen	it range			2432
Rated current (In)	5		Α	32
Magnetic tripping				13 x ln
	it current breaking capacity (Ics) at AC			
oporational onore onoa		230V	kA	50
		400V	kA	5
		440V	kA	5
		500V	kA	5
		690V	kA	2
Maximum short-circuit	current breaking capacity (Icu) at AC	0901	N/N	2
Maximum Short-Circuit	current breaking capacity (icu) at AC	230V	kA	50
		230V 400V	кА kA	10
		440V 500V	kA	10
			kA	10
Onerations		690V	kA	2
Operations			0	100.000
Mechanical life			Cycles	100,000
Electrical life			Cycles	100,000
Mechanical feautures				
Tightening torque for terminals				
		min	Nm	3
		max	Nm	3
		min	lbft	2
		max	lbft	2
max number of wires simultaneously connectable			nr.	2
Conductor section				
	AWG			
		min		16
		max		8
	Flexible w/o lug conductor section			
		min	mm²	1
		max	mm²	10
	Elevible elur conductor costion			

mm²

1

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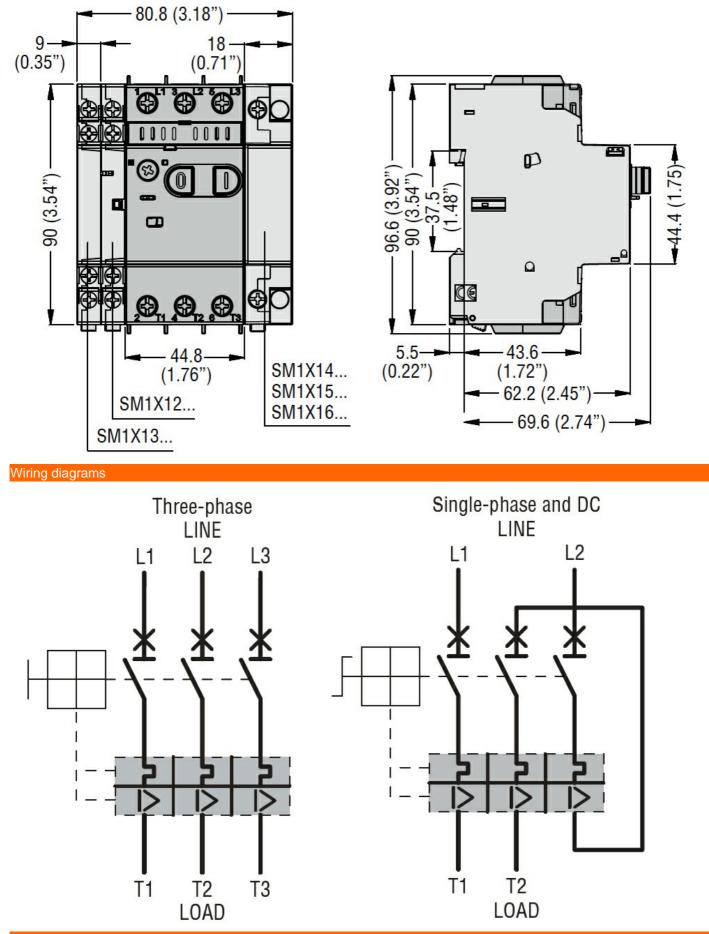


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	г	max	mm²	10
	Flexible with insulated spade lug conductor section			
		min	mm²	1
	r	nax	mm²	10
Screwdriver				PH2
	tion according to IEC/EN 60529			IP20
Cable stripping lenght				
Ambient conditions	main cir	Cuit	mm	1
Temperature				
remperature	Operating temperature			
		min	°C	-20
		max	°Č	60
	Storage temperature			
		min	°C	-50
	r	nax	°C	80
	Compensation temperature			
		min	°C	-20
	r	nax	°C	50
Max altitude			m	3,000
Operating position				
	-	mal		Su piano verticale
	allowa	able		Qualsiasi
Mounting				A vite / profilato omega 35mm
Weight			g	350
UL technical data				
	Manual Motor Controller - Short circuit current			
Motor Disconnect		4017		-
	at 24		kA	5
	at 48 protec		kA	5 Fuse or CB
Group Motor Installatio				Fuse of CB
	at 24	40\/	kA	5
	at 4		kA	5
	protec		10 1	Fuse or CB
Tap Conductor Protect				
	at 480Y/27	77V	kA	50
	at 600Y/34		kA	50
	Manual Self Protected Combination Motor Controller (Type E) S			
UL508 / UL 60947-4-1	Mandal Sell Frotected Combination Motor Controller (Type E) S		oun our	
UL508 / UL 60947-4-1	at 24		kA	50
UL508 / UL 60947-4-1	at 24 at 480Y/27	40∨ 77∨		
	at 24 at 480Y/27 at 600Y/34	40∨ 77∨	kA	50
	at 24 at 480Y/27 at 600Y/34 rsepower ratings single-phase	40V 77V 47V	kA kA	50 50
	at 24 at 480Y/27 at 600Y/34 rsepower ratings single-phase at 110V-12	40V 77V 47V 20V	kA kA kA hp	50 50 50 1
Maximum UL/CSA hor	at 24 at 480Y/27 at 600Y/34 rsepower ratings single-phase at 110V-12 at 220V-24	40V 77V 47V 20V	kA kA kA	50 50 50
Maximum UL/CSA hor	at 24 at 480Y/27 at 600Y/34 rsepower ratings single-phase at 110V-12 at 220V-24 rsepower ratings three-phase, 3-pole	40V 77V 47V 20V 40V	kA kA kA hp hp	50 50 50 1 2
Maximum UL/CSA hor	at 24 at 480Y/27 at 600Y/34 rsepower ratings single-phase at 110V-12 at 220V-24 rsepower ratings three-phase, 3-pole at 200V-20	40V 77V 47V 20V 40V	kA kA kA hp hp	50 50 50 1 2 3
Maximum UL/CSA hor	at 24 at 480Y/27 at 600Y/34 rsepower ratings single-phase at 110V-12 at 220V-24 rsepower ratings three-phase, 3-pole at 200V-20 at 220V-24	40V 77V 47V 20V 40V 08V 40V	kA kA hp hp hp	50 50 50 1 2 3 3
Maximum UL/CSA hor	at 24 at 480Y/27 at 600Y/34 rsepower ratings single-phase at 110V-12 at 220V-24 rsepower ratings three-phase, 3-pole at 200V-20	40V 77V 47V 20V 40V 08V 40V 80V	kA kA kA hp hp	50 50 50 1 2 3

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Certifications and compliance

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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



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

CULus EAC

Compliance

ETIM 6 classification