

SM1P0016 MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 100KA AT 400V, 0.1...0.16A



Product designation				SM1P
Product type designation				Motor protective circuit breaker
Electrical features				on our breaker
Number of poles			nr.	3
Magnetic protection				Yes
Thermal protection				Yes
Phase failure detectio	n			Yes
Rated insulation voltage	ge Ui		V	690
Rated impulse withsta	and voltage Uimp		kV	6
Rated frequency			Hz	50/60
Thermal trip adjustme	nt range			0,10,16
Rated current (In)			А	-
Magnetic tripping				13 x In
	uit current breaking capacity (Ics) at AC			
•		230V	kA	100
		400V	kA	100
		440V	kA	100
		500V	kA	100
		690V	kA	100
Maximum short-circuit	current breaking capacity (Icu) at AC			
		230V	kA	100
		400V	kA	100
		440V	kA	100
		500V	kA	100
		690V	kA	100
Operations				
Mechanical life			Cycles	100,000
Electrical life			Cycles	100,000
Mechanical feautures				
Tightening torque for t	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

Flexible c/w lug conductor section min

mm²

1

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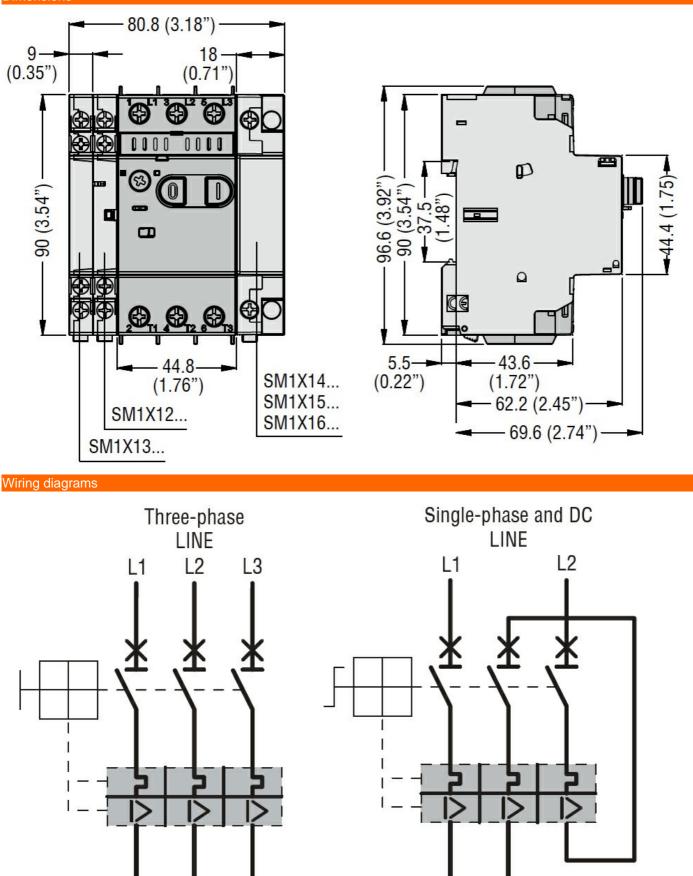
0.1...0.16A

			mm²	10
	Flexible with insulated spade lug conductor section	max	mm²	10
	Flexible with insulated space lug conductor section	min	mm²	1
		max	mm²	10
Screwdriver		Шал		PH2
	otection according to IEC/EN 60529			IP20
Cable stripping len	-			11 20
Cable stripping len	gin	main circuit	mm	1
Ambient conditions	3	main on our		•
Temperature				
· •···p •··ata.o	Operating temperature			
		min	°C	-20
		max	°C	60
	Storage temperature			
		min	°C	-50
		max	°C	80
	Compensation temperature			
		min	°C	-20
		max	°C	50
Max altitude			m	3,000
Operating position				
		normal		Su piano verticale
		allowable		Qualsiasi
Mounting				A vite / profilato
				omega 35mm
Weight			g	280
UL technical data				
	4-1 Manual Motor Controller - Short circuit current			
Motor Disconnect				
		at 240V	kA	50
		at 480V	kA	50
		at 600V	kA	50 Even or CD
	lation	protection		Fuse or CB
Group Motor Install	lation	-+ 0.401/	1. 4	50
		at 240V	kA	50
		of 100\/		50
		at 480V	kA ka	50 50
		at 600V	kA kA	50
Tap Conductor Pro	atection			
Tap Conductor Pro		at 600V protection	kA	50 Fuse or CB
Tap Conductor Pro	á	at 600V protection	kA kA	50 Fuse or CB 50
	2 2	at 600V protection at 480Y/277V at 600Y/347V	kA kA kA	50 Fuse or CB 50 50
	á	at 600V protection at 480Y/277V at 600Y/347V Type E) Short c	kA kA kA	50 Fuse or CB 50 50 rrent
	a a -4-1 Manual Self Protected Combination Motor Controller (	at 600V protection at 480Y/277V at 600Y/347V Type E) Short of at 240V	kA kA kA sircuit cu kA	50 Fuse or CB 50 50 rrent 50
	a a -4-1 Manual Self Protected Combination Motor Controller ( a	at 600V protection at 480Y/277V at 600Y/347V Type E) Short of at 240V at 480Y/277V	kA kA kA sircuit cu kA kA	50 Fuse or CB 50 50 rrent 50 50
UL508 / UL 60947-	a a -4-1 Manual Self Protected Combination Motor Controller ( a a a a	at 600V protection at 480Y/277V at 600Y/347V Type E) Short of at 240V	kA kA kA sircuit cu kA	50 Fuse or CB 50 50 rrent 50
UL508 / UL 60947-	-4-1 Manual Self Protected Combination Motor Controller ( a horsepower ratings single-phase	at 600V protection at 480Y/277V at 600Y/347V Type E) Short of at 240V at 480Y/277V	kA kA kA sircuit cu kA kA kA	50 Fuse or CB 50 50 rrent 50 50 50 50
UL508 / UL 60947-	4-1 Manual Self Protected Combination Motor Controller ( horsepower ratings single-phase	at 600V protection at 480Y/277V at 600Y/347V Type E) Short of at 240V at 240V at 480Y/277V at 600Y/347V at 110V-120V	kA kA kA circuit cu kA kA kA kA	50 Fuse or CB 50 50 rrent 50 50 50 50
UL508 / UL 60947- Maximum UL/CSA	4-1 Manual Self Protected Combination Motor Controller ( horsepower ratings single-phase	at 600V protection at 480Y/277V at 600Y/347V Type E) Short of at 240V at 480Y/277V at 600Y/347V	kA kA kA sircuit cu kA kA kA	50 Fuse or CB 50 50 rrent 50 50 50 50
UL508 / UL 60947- Maximum UL/CSA	4-1 Manual Self Protected Combination Motor Controller ( horsepower ratings single-phase horsepower ratings three-phase, 3-pole	at 600V protection at 480Y/277V at 600Y/347V Type E) Short of at 240V at 240V at 480Y/277V at 600Y/347V at 110V-120V	kA kA kA circuit cu kA kA kA hp hp	50 Fuse or CB 50 50 rrent 50 50 50 1 2
UL508 / UL 60947- Maximum UL/CSA	4-1 Manual Self Protected Combination Motor Controller ( horsepower ratings single-phase horsepower ratings three-phase, 3-pole	at 600V protection at 480Y/277V at 600Y/347V Type E) Short of at 240V at 480Y/277V at 600Y/347V at 110V-120V at 220V-240V	kA kA kA circuit cu kA kA kA kA	50 Fuse or CB 50 50 rrent 50 50 50 50
UL508 / UL 60947- Maximum UL/CSA	4-1 Manual Self Protected Combination Motor Controller ( horsepower ratings single-phase horsepower ratings three-phase, 3-pole	at 600V protection at 480Y/277V at 600Y/347V Type E) Short of at 240V at 240V at 480Y/277V at 600Y/347V at 600Y/347V at 110V-120V at 220V-240V at 220V-208V	kA kA kA circuit cu kA kA kA hp hp	50 Fuse or CB 50 50 rrent 50 50 50 50 1 2 3
UL508 / UL 60947- Maximum UL/CSA	4-1 Manual Self Protected Combination Motor Controller ( horsepower ratings single-phase horsepower ratings three-phase, 3-pole	at 600V protection at 480Y/277V at 600Y/347V Type E) Short of at 240V at 240V at 480Y/277V at 600Y/347V at 600Y/347V at 220V-240V at 220V-208V at 220V-240V	kA kA kA circuit cui kA kA kA hp hp hp	50 Fuse or CB 50 50 rrent 50 50 50 50 1 2 3 3

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Dimensions



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