SM1P0063

**ENERGY AND AUTOMATION** 

## SM1P0063

MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 100KA 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			0.40.63
Rated current (In)		Α	0.63
Magnetic tripping			13 x In
Total power dissipation		W	1.95
Operational short-circuit 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
Tripping class			10A
IEC Utilization category			A
Operations			7.
Mechanical life		cycles	100000
Electrical life		cycles	100000
Mechanical features		Oyolos	100000
Tightening torque for terminals			
rightening torque for terminals	min	Nm	2.5
	max	Nm	3
	min	lbin	1.8
	max	lbin	2.2
Max number of wires simultaneously connectable	Пах	nr.	2
Conductor section		111.	
AWG/Kcmil			
AWG/IGHIII	min		16
Flovible w/e lug conductor coction	max		8
Flexible w/o lug conductor section	min	mm²	1

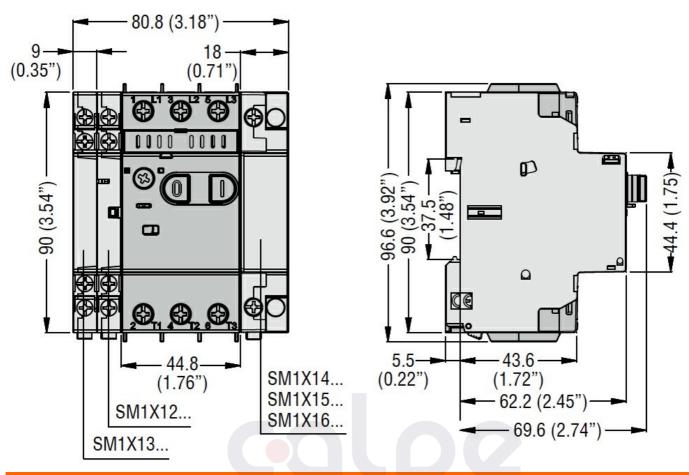


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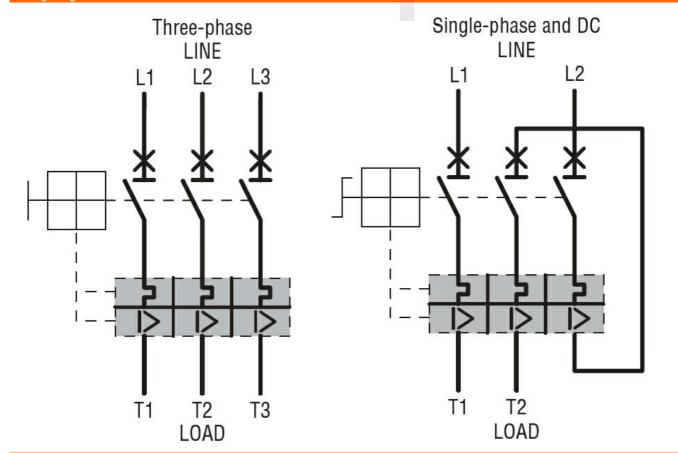
	Flexible c/w lug conductor section			
	r lexible c/w lug corrudctor section	min	mm²	1
	Flexible with insulated spade lug conductor section			
		min	mm²	1
Screwdriver				PH2
	ction according to IEC/EN 60529			IP20
Cable stripping lengh	t			4
Ambient conditions		main circuit	mm	1
Temperature				
Tomporataro	Operating temperature			
	5, 1	min	°C	-20
		max	°C	60
	Storage temperature			
		min	°C	-50
		max	°C	80
	Compensation temperature		0.0	00
		min	°C	-20 50
Max altitude		max	m	3000
Operating position			111	3000
Operating position		normal		Vertical plan
		allowable		Any
Fixing	600			Screw / DIN rail 35mm
Weight			g	280
UL technical data				
Motor Disconnect				
		at 240V	kA	50
		at 480V	kA	50
		at 600V	kA	50
Croup Motor Installati		protection		Fuse or CB
Group Motor Installati	ion			1 400 01 02
	ion	•	k۸	
	ion	at 240V	kA kA	50
	ion	at 240V at 480V	kA	50 50
	ion	at 240V at 480V at 600V		50 50 50
Tap Conductor Protect		at 240V at 480V	kA	50 50
Tap Conductor Protect	ction	at 240V at 480V at 600V	kA	50 50 50
	ction a a	at 240V at 480V at 600V protection t 480Y/277V t 600Y/347V	kA kA kA	50 50 50 Fuse or CB 50
	ction	at 240V at 480V at 600V protection t 480Y/277V t 600Y/347V Type E) Short of	kA kA kA kA	50 50 50 Fuse or CB 50 50
	ction a a 1 Manual Self Protected Combination Motor Controller (T	at 240V at 480V at 600V protection t 480Y/277V t 600Y/347V Type E) Short of at 240V	kA kA kA kA sircuit cui	50 50 50 Fuse or CB 50 50
	ction a a 1 Manual Self Protected Combination Motor Controller (T	at 240V at 480V at 600V protection t 480Y/277V t 600Y/347V ype E) Short of at 240V t 480Y/277V	kA kA kA kA circuit cui kA kA	50 50 50 Fuse or CB 50 50 rrent 50 50
UL508 / UL 60947-4-	ction a a 1 Manual Self Protected Combination Motor Controller (T a a	at 240V at 480V at 600V protection t 480Y/277V t 600Y/347V Type E) Short of at 240V	kA kA kA kA sircuit cui	50 50 50 Fuse or CB 50 50
UL508 / UL 60947-4-	ction a a 1 Manual Self Protected Combination Motor Controller (T	at 240V at 480V at 600V protection t 480Y/277V t 600Y/347V ype E) Short of at 240V t 480Y/277V t 600Y/347V	kA kA kA sircuit cui kA kA kA	50 50 50 Fuse or CB 50 50 rrent 50 50
UL508 / UL 60947-4-	ction a a 1 Manual Self Protected Combination Motor Controller (T a a	at 240V at 480V at 600V protection t 480Y/277V t 600Y/347V ype E) Short of at 240V t 480Y/277V t 600Y/347V	kA kA kA circuit cui kA kA kA	50 50 50 Fuse or CB 50 50 rrent 50 50 50
UL508 / UL 60947-4-	ction  a a 1 Manual Self Protected Combination Motor Controller (T a a orsepower ratings single-phase	at 240V at 480V at 600V protection t 480Y/277V t 600Y/347V ype E) Short of at 240V t 480Y/277V t 600Y/347V	kA kA kA sircuit cui kA kA kA	50 50 50 Fuse or CB 50 50 rrent 50 50
UL508 / UL 60947-4-	ction a a 1 Manual Self Protected Combination Motor Controller (T a a	at 240V at 480V at 600V protection t 480Y/277V t 600Y/347V Type E) Short of at 240V t 480Y/277V t 600Y/347V 110V-120V 220V-240V	kA kA kA sircuit cui kA kA kA HP	50 50 50 Fuse or CB 50 50 rrent 50 50 50
UL508 / UL 60947-4-	ction  a a 1 Manual Self Protected Combination Motor Controller (T a a orsepower ratings single-phase	at 240V at 480V at 600V protection t 480Y/277V t 600Y/347V ype E) Short of at 240V t 480Y/277V t 600Y/347V	kA kA kA circuit cui kA kA kA	50 50 50 Fuse or CB 50 50 rrent 50 50 50
UL508 / UL 60947-4-	ction  a a 1 Manual Self Protected Combination Motor Controller (T a a orsepower ratings single-phase	at 240V at 480V at 600V protection t 480Y/277V t 600Y/347V ype E) Short of at 240V t 480Y/277V t 600Y/347V 110V-120V 220V-240V	kA kA kA circuit cui kA kA kA HP HP	50 50 50 Fuse or CB 50 50 rrent 50 50 50

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## Wiring diagrams



Certifications and compliance

Calpe.nl + 31 (0)342 - 45 15 44 | Barneveld

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## MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 100KA AT 400V, 0.4...0.63A

Certifications

INDUSTRIAL MARINE RAILWAY

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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

