

MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 100KA AT 400V, 1.6...2.5A



Product designation Product type designation				Motor protective circuit breaker SM1P
Electrical features				
Number of poles			nr.	3
Magnetic protection				yes
Thermal protection				yes
Phase failure detection				yes
Rated insulation voltage L			V	690
Rated impulse withstand	oltage Uimp		kV	6
Rated frequency			Hz	50/60
Thermal trip adjustment ra	ange			1.62.5
Rated current (In)			Α	2.5
Magnetic tripping				13 x In
Total power dissipation			W	1.63
Operational short-circuit c	urrent breaking capacity (Ics) at AC			
		230V	kA	100
		400V	kA	100
		440V	kA	100
		500V	kA	100
		690V	kA	3
Maximum short-circuit cur	rent breaking capacity (Icu) at AC			
		230V	kA	100
		400V	kA	100
		440V	kA	100
		500V	kA	100
		690V	kA	3
ripping class				10A
EC Utilization category				A
Operations				
Mechanical life			cycles	100000
Electrical life			cycles	100000
Mechanical features				
Γightening torque for term	inals			
		min	Nm	2.5
		max	Nm	3
		min	lbin	1.8
		max	lbin	2.2
Max number of wires simu	ultaneously connectable		nr.	2
Conductor section				
	AWG/Kcmil			
		min		16
		max		8
	Flexible w/o lug conductor section			
	· ·	min	mm²	1
	Flexible c/w lug conductor section			
	-	min	mm²	1
	Flexible with insulated spade lug conductor section			
	. 5		mm²	1
		min		
Screwdriver		min		PH2
	according to IEC/EN 60529	min		PH2 IP20
Power terminal protection	according to IEC/EN 60529	min		PH2 IP20
Power terminal protection	according to IEC/EN 60529		mm	IP20
Power terminal protection Cable stripping lenght	according to IEC/EN 60529	min main circuit	mm	
Power terminal protection Cable stripping lenght Ambient conditions	according to IEC/EN 60529		mm	IP20
Power terminal protection Cable stripping lenght Ambient conditions			mm	IP20
Power terminal protection Cable stripping lenght Ambient conditions	Operating temperature	main circuit		1 1
Power terminal protection Cable stripping lenght Ambient conditions		main circuit min	°C	1P20 1
Power terminal protection Cable stripping lenght Ambient conditions	Operating temperature	main circuit		1 1
Power terminal protection Cable stripping lenght Ambient conditions		main circuit min max	°C °C	1 1 -20 60
Power terminal protection Cable stripping lenght Ambient conditions	Operating temperature	main circuit min max min	°C °C	1 -20 60 -50
Power terminal protection Cable stripping lenght Ambient conditions	Operating temperature Storage temperature	main circuit min max	°C °C	1 1 -20 60
Power terminal protection Cable stripping lenght Ambient conditions	Operating temperature	main circuit min max min max	°C °C °C	1 -20 60 -50 80
Screwdriver Power terminal protection Cable stripping lenght Ambient conditions Femperature	Operating temperature Storage temperature	main circuit min max min max min max	°C °C °C	1 -20 60 -50 80 -20
Power terminal protection Cable stripping lenght Ambient conditions	Operating temperature Storage temperature	main circuit min max min max	°C °C °C	1 -20 60 -50 80



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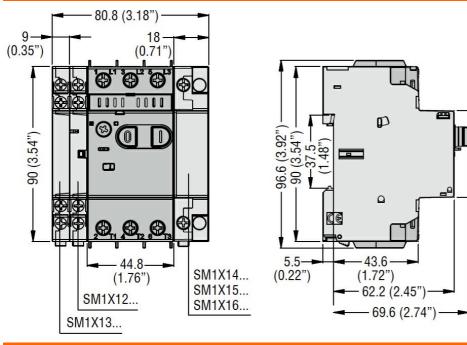
Operating position			
	normal		Vertical plan
	allowable		Any
Fixing			Screw / DIN rail 35mm
Weight		g	350
UL technical data			
UL508 / UL60947-4-1 Manual Motor Controller - Short circuit current			
Motor Disconnect			
	at 240V	kA	30
	at 480V	kA	30
	at 600V	kA	30
	protection		100A class J
Group Motor Installation			
	at 240V	kA	30
	at 480V	kA	30
	at 600V	kA	30
	protection		100A class J
Tap Conductor Protection		<u> </u>	
	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

UL508 / UL 60947-4-1 Manual Self Protected Combination Motor (Controllers)(Type E) Short-circuit cur UL508 / UL 60947-4-1 Manual Self Protected Combination Motor (Controllers)(Type E) Short-circuit cur UL508 / UL 60947-4-1 Manual Self Protected Combination Motor (Controllers)(Type E) Short-circuit cur

	OLSOS / OL 00947-4-1 IVIATIDAL SEIL FTOLECTED COMBINATION IVIC		oliela(d ype L) Short-circuit cui
Maximum UL/CSA horsepower ratings single-phase			_
	at 110V-120V	hp	-
	at 220V-240V	hp	1/6
Maximum UL/CSA horsepower ratings three-phase, 3-pole			
	at 200V-208V	hp	1/2
	at 220V-240V	hp	1/2
	at 440V-480V	hp	1
	at 550V-600V	hp	1.5

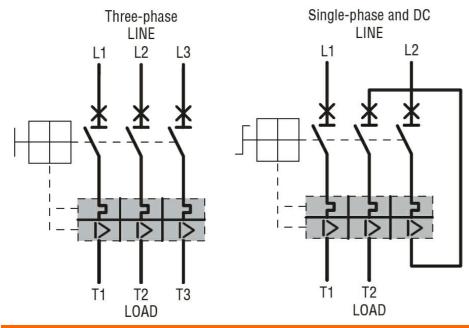
Dimensions



Wiring diagrams

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Certifications

CSA C22.2 n° 14

IEC/EN 60947-1

IEC/EN 60947-2

IEC/EN 60947-4-1

UL508

Compliance

cULus

EAC