



Product type designation	Product designation				Motor protection
Number of poles Nr. 3 3 3 3 3 3 3 3 3	-			circuit breaker	
Number of poles Nr. 3 Magnetic protection yes Phase failure detection yes Rated insulation voltage UI IEC/EN V 690 Rated insulation voltage UII EC/EN V 690 Rated frequency Hz 50/60 Themal trip adjustment range 2025 Rated current (In) A 25 Magnetic tripping 13 x In Total power dissipation W 2.83 Operational short-circuit current breaking capacity (Ics) at AC 230V kA 5 440V kA 5 500V kA 5 440V kA 5 500V kA 5 500V kA 5 500V kA 15 440V kA 10 500V kA 15 440V kA 10 10 690V kA 10 10 <td></td> <td>ion</td> <td></td> <td></td> <td>SM1P</td>		ion			SM1P
Magnetic protection				Nle	2
Thermal protection yes Phase failure detection yes Rated insulation voltage Ui IEC/EN V 690 Rated impulse withstand voltage Uimp kV 6 Rated frequency IHz 50/60 Thermal trip adjustment range 2025 Rated current (in) A 25 Magnetic tripping 13 x In Total power dissipation W 2.83 Operational short-circuit current breaking capacity (lcs) at AC 230V kA 50 400V kA 5 440V kA 5 440V kA 5 500V kA 2 Maximum short-circuit current breaking capacity (lcu) at AC 230V kA 50 Maximum short-circuit current breaking capacity (lcu) at AC 230V kA 50 400V kA 15 440V kA 10 400V kA 15 10 40V kA 10 10 500V kA 10 10 69V kA 2 10 Flectical life cycles 100000 Flectical life tures min Nm 2.5				INI.	
Phase failure detection					
Rated insulation voltage Ui IEC/EN		_			
Rated impulse withstand voltage Uimp					•
Rated frequency					
Thermal trip adjustment range		nd voitage Uimp			
Rated current (In)				HZ	
Magnetic tripping		nt range			
Total power dissipation W 2.83				Α	
Comparational short-circuit current breaking capacity (Ics) at AC					
A				W	2.83
A00V	Operational short-circu	uit current breaking capacity (Ics) at AC			
Maximum short-circuit current breaking capacity (Icu) at AC					50
S00V KA 5 690V KA 2 2 2 2 2 2 2 2 2					
Maximum short-circuit current breaking capacity (Icu) at AC 230V					
Maximum short-circuit current breaking capacity (Icu) at AC					
230V KA 50 400V KA 15 440V KA 10 500V KA 10 690V KA 2 7 7 7 7 7 7 7 7 7			690V	kA	2
A00V KA 15 440V KA 10 500V KA 10 690V KA 10 690V KA 2 7 7 7 7 7 7 7 7 7	Maximum short-circuit	current breaking capacity (Icu) at AC			
A40V				kA	50
S00V KA 10 690V kA 2 2 1 10 2 1 10 2 1 10 1 1 1 1 1 1 1			400V	kA	15
690V kA 2 Tripping class 10A IEC Utilization category A Operations Mechanical life cycles 100000 Electrical life cycles 100000 Mechanical features Tightening torque for terminals min Nm 2.5 max Nm 3 min lbin 22 max lbin 26.5 Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil min min min 16 max 16 max 8 Flexible w/o lug conductor section			440V	kA	10
Tripping class 10A IEC Utilization category A Operations Mechanical life cycles 100000 Electrical life cycles 100000 Mechanical features Tightening torque for terminals min Nm 2.5 max Nm 3 min lbin 22 max lbin 26.5 Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil min 16 max 8 Flexible w/o lug conductor section				kA	
EC Utilization category			690V	kA	
Operations Mechanical life cycles 100000 Electrical life cycles 100000 Mechanical features Tightening torque for terminals min Nm 2.5 max Nm 3 min 1bin 22 max 1bin 26.5 Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil min 16 max 8 Flexible w/o lug conductor section	Tripping class				10A
Mechanical life cycles 100000 Electrical life cycles 100000 Mechanical features Tightening torque for terminals min Nm 2.5 max Nm 3 min Ibin 22 max Ibin 26.5 Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil min min max 16 max Flexible w/o lug conductor section 8	IEC Utilization categor	У			Α
Cycles 100000	Operations				
Mechanical features Tightening torque for terminals min Nm 2.5 max Nm 3 min Ibin 22 max Ibin 26.5	Mechanical life			cycles	100000
Tightening torque for terminals min Nm 2.5 max Nm 3 min Ibin 22 max Ibin 26.5 Max number of wires simultaneously connectable Conductor section AWG/Kcmil min 16 max 8 Flexible w/o lug conductor section	Electrical life			cycles	100000
Min Nm 2.5 max Nm 3 min Ibin 22 max Ibin 26.5	Mechanical features				
Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil min 16 max 16 max 8 Flexible w/o lug conductor section Flexible w/o lug conductor section 8	Tightening torque for t	erminals			
Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil min min max 16 max Flexible w/o lug conductor section Flexible w/o lug conductor section 8			min	Nm	2.5
Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil min max 16 max Flexible w/o lug conductor section Flexible w/o lug conductor section			max	Nm	3
Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil min nax 16 max 8 Flexible w/o lug conductor section			min	lbin	22
AWG/Kcmil			max	lbin	26.5
AWG/Kcmil min 16 max 8 Flexible w/o lug conductor section	Max number of wires s	simultaneously connectable		Nr.	2
min 16 max 8 Flexible w/o lug conductor section					
min 16 max 8 Flexible w/o lug conductor section		AWG/Kcmil			
max 8 Flexible w/o lug conductor section			min		16
Flexible w/o lug conductor section					
· · · · · · · · · · · · · · · · · · ·		Flexible w/o lug conductor section			
TINIT THIS		-	min	mm²	1

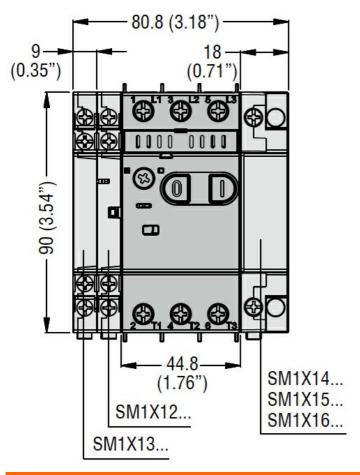


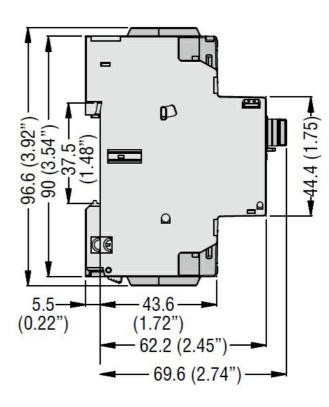


MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 15KA AT 400V,

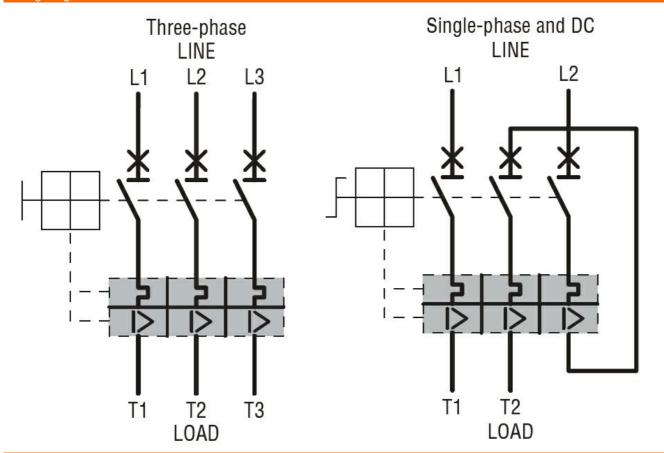
	Flexible c/w lug conductor section			
		min	mm²	1
	Flexible with insulated spade lug conductor section		2	4
Screwdriver		min	mm²	PH2
	ction according to IEC/EN 60529			IP20
Cable stripping lengh				11 20
Cable stripping length	•	main circuit	mm	1
Ambient conditions				
Temperature				
	Operating temperature			
		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	3000
Operating position				
		normal		Vertical plan
		allowable		Any
Fixing				Screw / DIN rail 35mm
Weight			g	350
UL technical data				
Motor Disconnect				
		at 240V	kA	5
		at 480V	kA	5
		protection		Fuse or CB
Group Motor Installati	on			
		at 240V	kA	5
		at 480V	kA	5
		protection		Fuse or CB
Tap Conductor Protect	ction			
		at 480Y/277V	kA	50
		at 600Y/347V	kA	50
III 508 / III 60947-4-4	1 Manual Self Protected Combination Motor Controller	(Type E) Short of	ircuit cu	rrent
OL300 / OL 00341-4-				50
OL3007 OL 00347-4-		at 240V	kA	30
OL3007 OL 00947-4-		at 240V at 480Y/277V	kA kA	50
	rsepower ratings single-phase	at 480Y/277V	kA	50
	rsepower ratings single-phase	at 480Y/277V	kA	50
	rsepower ratings single-phase	at 480Y/277V at 600Y/347V	kA kA	50 50
Maximum UL/CSA ho	rsepower ratings single-phase rsepower ratings three-phase, 3-pole	at 480Y/277V at 600Y/347V 110V-120V	kA kA HP	50 50 2
Maximum UL/CSA ho		at 480Y/277V at 600Y/347V 110V-120V	kA kA HP	50 50 2
Maximum UL/CSA ho		at 480Y/277V at 600Y/347V 110V-120V 220V-240V	kA kA HP HP	50 50 2 3







Wiring diagrams





SM1P2500

MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 15KA AT 400V, 20...25A

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

ETIM 8.0

EC000074 -Motor protection circuit-breaker