



Electrical features Nr. 3 Number of poles Nr. 3 Magnetic protection yes Thermal protection yes Phase failure detection yes Rated insulation voltage UI IEC/EN V 690 Rated insulation voltage UI IEC/EN V 690 Rated insulation voltage UI IEC/EN V 6 Rated insulation voltage UI IEC/EN V 6 Rated insulation voltage UI IEC/EN V 6 Rated insulation voltage UII A 1.6 Rated drequency Hz 50/60 Thermat trip adjustment range 13 x In Power dissipation per pole min W 0.90 max W 0.90 max W 2.30 Operational short-circuit current breaking capacity (Ics) at AC 230V kA 100 Maximum short-circuit current breaking capacity (Icu) at AC 230V kA 100 Maximum short-circuit current breaking capacity (Icu) at AC 230V kA 100 Good KA 100 440V kA 100 Maximum short-c	Product designation			Motor protection circuit breaker
Number of poles Nr. 3 Magnetic protection yes Phase failure detection yes Phase failure detection yes Rated insulation voltage UIEC/EN V 690 Rated insulation voltage UIEC/EN V 600 Rated insulation voltage UIEC/EN V 600 Rated frequency Hz 50/60 Thermal trip adjustment range 11.6 Rated current (In) A 1.6 Magnetic tripping 13 x In Power dissipation per pole min W 0.90 max W 2.30 0 000 400V KA 100 400V KA 100 400V KA 100 690V KA 100 Maximum short-circuit current breaking capacity (Icu) at AC 230V KA 100 690V <td< td=""><td></td><td></td><td></td><td>SM1P</td></td<>				SM1P
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230V kA 100 400V kA 100 440V kA 100 440V kA 100 Maximum short-circuit current breaking capacity (Icu) at AC 230V kA 100 Maximum short-circuit current breaking capacity (Icu) at AC 230V kA 100 Maximum short-circuit current breaking capacity (Icu) at AC 230V kA 100 Maximum short-circuit current breaking capacity (Icu) at AC 230V kA 100 Maximum short-circuit current breaking capacity (Icu) at AC 230V kA 100 Maximum short-circuit current breaking capacity (Icu) at AC 230V kA 100 Maximum short-circuit current breaking capacity (Icu) at AC 230V kA 100 Tripping class 104 100 440V kA 100 Figure Cass 100A 100 100 100 100 EC Utilization category A 00 00000 100 100 100 Electrical life cycles 100000 100 <td></td> <td>max</td> <td>W</td> <td>2.30</td>		max	W	2.30
400V kA 100 440V kA 100 500V kA 100 690V kA 100 Maximum short-circuit current breaking capacity (Icu) at AC 230V kA 100 Maximum short-circuit current breaking capacity (Icu) at AC 230V kA 100 400V kA 100 400V kA 100 400V kA 100 400V kA 100 500V kA 100 500V kA 100 17ipping class 10A 100 100 100 Tripping class 10A 100 100 100 Tripping class 10A 100 100 100 Ele Utilization category A 00 100 100 Mechanical life cycles 100000 10000 10000 Electrical life cycles 100000 10000 10000 10000 10000 10000 100000 10000 100000	Operational short-circuit current breaking capacity (Ics) at AC			
440V kA 100 500V kA 100 690V kA 100 Maximum short-circuit current breaking capacity (Icu) at AC 230V kA 100 400V kA 100 400V kA 100 400V kA 100 440V kA 100 500V kA 100 500V kA 100 500V kA 100 500V kA 100 500V kA 100 500V kA 100 Fightening class 10A 10A 10A 10A IEC Utilization category A 00000 10000 100000 1		230V	kA	100
500V kA 100 690V kA 100 Maximum short-circuit current breaking capacity (Icu) at AC 230V kA 100 400V kA 100 400V kA 100 400V kA 100 400V kA 100 500V kA 100 500V kA 100 500V kA 100 500V kA 100 500V kA 100 690V kA 100 Electrical category A 00 400V KA 100 Tripping class 10A A 00 400V KA 100 Ticptening class 10A A 00000 400V KA 100 Electrical life cycles 100000 500V KA 100000 Mechanical features Tightening torque for terminals min Nm 3 Max number of wires simultaneously connectable Nr. 2 2		400V	kA	100
690V kA 100 Maximum short-circuit current breaking capacity (Icu) at AC 230V kA 100 400V kA 100 400V kA 100 400V kA 100 440V kA 100 500V kA 100 500V kA 100 Tripping class 10A 10A 10A 10A IEC Utilization category A 0 0 Operations 10A 100 100 Mechanical life cycles 100000 10000 Electrical life cycles 100000 100000 Mechanical features min Nm 3. Tightening torque for terminals min Nm 3. Max number of wires simultaneously connectable Nr. 2 2 Conductor section AWG/Kcmil Min 16		440V	kA	100
Maximum short-circuit current breaking capacity (Icu) at AC 230V kA 100 400V kA 100 400V kA 100 440V kA 100 500V kA 100 500V kA 100 690V kA 100 Tripping class 10A 10A 10A IEC Utilization category A Operations A Operations Cycles 100000 100000 Electrical life cycles 100000 100000 Mechanical features min Nm 2.5 Tightening torque for terminals min 1bin 22.5 Max number of wires simultaneously connectable Nr. 2 2 Conductor section AWG/Kcmil Nr. 2 2		500V	kA	100
230V kA 100 400V kA 100 440V kA 100 500V kA 100 500V kA 100 Fripping class 10A 10A IEC Utilization category A Operations Mechanical life cycles 100000 Electrical life cycles 100000 Mechanical features 100000 100000 Mechanical features min Nm 2.5 max Nm 3 min Ibin 22 max Ibin 2.5 max Ibin 22 Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil min 16 16 16		690V	kA	100
400V kA 100 440V kA 100 500V kA 100 500V kA 100 690V kA 100 Tripping class 10A 10A IEC Utilization category A 0 Operations A 0000 Mechanical life cycles 100000 Electrical life cycles 100000 Mechanical features Tightening torque for terminals min Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil Min 16	Maximum short-circuit current breaking capacity (Icu) at AC			
440VkA100500VkA100690VkA100Tripping class10AIEC Utilization categoryAOperationsMechanical lifecyclesElectrical lifecycles10000Electrical lifecycles100000Mechanical featuresminNm2.5Tightening torque for terminalsminlbin22Max number of wires simultaneously connectableNr.2Conductor sectionAWG/Kcmilmin16		230V	kA	100
500V kA 100 690V kA 100 Tripping class 10A IEC Utilization category A Operations A Mechanical life cycles 100000 Electrical life cycles 100000 Mechanical features 100000 Image: State		400V	kA	100
690VkA100Tripping class10AIEC Utilization categoryAOperationsAMechanical lifecycles100000Electrical lifecycles100000Mechanical features0000000000Tightening torque for terminalsminNm2.5MaxNm300000Max number of wires simultaneously connectableNr.2AWG/KcmilNr.16		440V	kA	100
Tripping class 10A IEC Utilization category A Operations		500V	kA	100
IEC Utilization category A Operations Mechanical life cycles 100000 Electrical life cycles 100000 Mechanical features min Nm 2.5 Tightening torque for terminals min Ibin 22 Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil min 16		690V	kA	100
Operations cycles 100000 Mechanical life cycles 100000 Electrical life cycles 100000 Mechanical features min Nm 2.5 Tightening torque for terminals min Nm 3 Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil min 16	Tripping class			10A
Mechanical lifecycles100000Electrical lifecycles100000Mechanical featuresminNm2.5Tightening torque for terminalsminNm3minIbin22maxIbinMax number of wires simultaneously connectableNr.2Conductor sectionNr.2AWG/Kcmilmin16	IEC Utilization category			A
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 16	Operations			
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 16	Mechanical life		cycles	100000
Mechanical features Tightening torque for terminals min Nm max Nm min Ibin 22 max Ibin 26.5 Max number of wires simultaneously connectable Nr. AWG/Kcmil min 16	Electrical life		-	100000
min Nm 2.5 max Nm 3 min Ibin 22 max Ibin 26.5 Max number of wires simultaneously connectable Nr. 2 Conductor section Nr. 2 MWG/Kcmil min 16				
min Nm 2.5 max Nm 3 min Ibin 22 max Ibin 26.5 Max number of wires simultaneously connectable Nr. 2 Conductor section Nr. 2 MWG/Kcmil min 16	Tightening torque for terminals			
maxNm3minIbin22maxIbin26.5Max number of wires simultaneously connectableNr.2Conductor sectionNr.2AWG/Kcmilmin16		min	Nm	2.5
min Ibin 22 max Ibin 26.5 Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil 16				
max Ibin 26.5 Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil Imin 16				
Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil min 16		max	Ibin	
Conductor section AWG/Kcmil min 16	Max number of wires simultaneously connectable			
AWG/Kcmil min 16	· · · · · · · · · · · · · · · · · · ·		-	
min 16				
		min		16
		max		8

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MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 100KA AT 400V, 1...1.6A

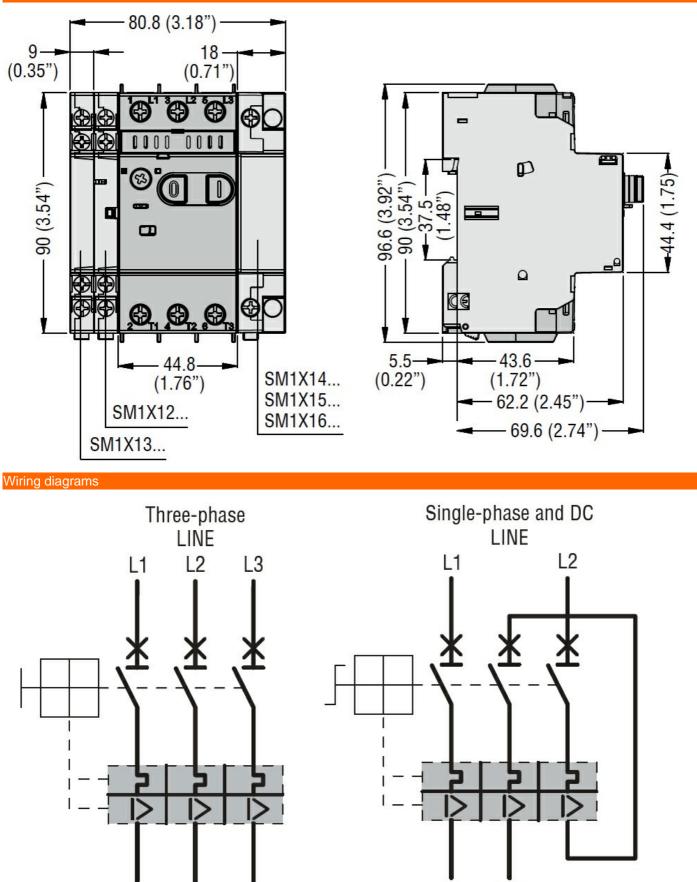
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				11.0
	Elevible w/e lug conductor co	ction		
	Flexible w/o lug conductor se	ction min	mm²	1
		max	mm²	10
	Flexible c/w lug conductor se			10
	r lexible of windy conductor Se	min	mm²	1
		max	mm²	10
	Flexible with insulated spade			10
		min	mm²	1
		max	mm²	10
Screwdriver				PH2
	ction according to IEC/EN 60529)		IP20
Cable stripping lengh	-			
		main circuit	mm	12
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
Vax altitude			m	3000
Operating position				
		normal		Vertical plan
		allowable		Any
Fixing				Screw / DIN rail 35mm
Weight			0	280
JL technical data			g	280
Motor Disconnect				
		at 240V	kA	50
		at 240V	kA	50 50
		at 460V at 600V	кА kA	50 50
		protection	~~	50 Fuse or CB
JL technical data		protection		
		_		50
		Group Motor Installation at 2/01/	kΔ	00
		Group Motor Installation at 240V Group Motor Installation at 480V	kA k∆	
		Group Motor Installation at 480V	kA	50
		Group Motor Installation at 480V Group Motor Installation at 600V		50 50
	rtion	Group Motor Installation at 480V	kA	50
	ction	Group Motor Installation at 480V Group Motor Installation at 600V Group Motor Installation protection	kA kA	50 50 Fuse or CB
	ction	Group Motor Installation at 480V Group Motor Installation at 600V Group Motor Installation protection at 480Y/277V	kA kA kA	50 50 Fuse or CB 50
Tap Conductor Proted		Group Motor Installation at 480V Group Motor Installation at 600V Group Motor Installation protection	kA kA	50 50 Fuse or CB
Tap Conductor Proted	ction prsepower ratings single-phase	Group Motor Installation at 480V Group Motor Installation at 600V Group Motor Installation protection at 480Y/277V at 600Y/347V	kA kA kA kA	50 50 Fuse or CB 50 50
Tap Conductor Proted		Group Motor Installation at 480V Group Motor Installation at 600V Group Motor Installation protection at 480Y/277V at 600Y/347V 110V-120V	kA kA kA kA	50 50 Fuse or CB 50 50
Гар Conductor Protec Maximum UL/CSA hc	prsepower ratings single-phase	Group Motor Installation at 480V Group Motor Installation at 600V Group Motor Installation protection at 480Y/277V at 600Y/347V 110V-120V 220V-240V	kA kA kA kA	50 50 Fuse or CB 50 50
Гар Conductor Protec Maximum UL/CSA hc		Group Motor Installation at 480V Group Motor Installation at 600V Group Motor Installation protection at 480Y/277V at 600Y/347V 110V-120V 220V-240V -pole	kA kA kA HP HP	50 50 Fuse or CB 50 50
Tap Conductor Protec	prsepower ratings single-phase	Group Motor Installation at 480V Group Motor Installation at 600V Group Motor Installation protection at 480Y/277V at 600Y/347V 110V-120V 220V-240V -pole 200V-208V	kA kA kA HP HP	50 50 Fuse or CB 50 50 - 1/10 -
Tap Conductor Protec	prsepower ratings single-phase	Group Motor Installation at 480V Group Motor Installation at 600V Group Motor Installation protection at 480Y/277V at 600Y/347V 110V-120V 220V-240V -pole 200V-208V 220V-240V	kA kA kA HP HP HP	50 50 Fuse or CB 50 50 - 1/10 -
Tap Conductor Protec	prsepower ratings single-phase	Group Motor Installation at 480V Group Motor Installation at 600V Group Motor Installation protection at 480Y/277V at 600Y/347V 110V-120V 220V-240V -pole 200V-208V	kA kA kA HP HP	50 50 Fuse or CB 50 50 - 1/10 -

SM1P0160



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 classification				
		EC000074 -		

ETIM 8.0

EC000074 -Motor protection circuit-breaker