



Induct designation circuit breaker Product type designation SM1R Electrical features Nr. 3 Number of poles Nr. 3 Magnetic protection yes Thermal protection yes Phase failure detection yes Rated insulation voltage UIIEC/EN V 690 Rated insulation voltage UIIEC/EN V 690 Rated insulation voltage UIIEC/EN V 6 Present displayment range 2025 Rated oursent range 2025 Rated current (In) A 25 Magnetic tripping 13 x In Power dissipation per pole min W 100 400V KA 100 400V KA 100 400V KA 5 500V KA 10 400V KA 2 Maximum short-circuit current breaking capacity (Icu) at AC 230V KA 230V KA 100 400V KA 2 Maximum short-circuit current breaking capacity (Icu) at AC 230V KA 10000 KA 10 500V 440V KA 10 690V KA <td< th=""><th>Product designation</th><th></th><th></th><th>Motor protection</th></td<>	Product designation			Motor protection
Electrical features Nr. 3 Number of poles Nr. 3 Magnetic protection yes Thermal protection yes Phase failure detection yes Rated insulation voltage UIIEC/EN V Rated insulation voltage UIIEC/EN V Press 6 Rated insulation voltage UIIEC/EN V Press 6 Rated insulation voltage UIIEC/EN V Press 6 Rated insulation voltage UIIEC/EN V Press 60/60 Thermal trip adjustment range 2025 Rated current (n) A 25 Magnetic ripping 13 x in Power disispation per pole min W maximum short-circuit current breaking capacity (lcs) at AC 230V kA 230V kA 100 400V kA 5 690V kA 10 400V kA 10 400V kA 10 500V kA 10 690V kA 10 <tr< td=""><td></td><td></td><td></td><td></td></tr<>				
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440VkA10500VkA10690VkA4Tripping class10AIEC Utilization categoryAOperationsMechanical lifecycles1000cycles10000Electrical lifecycles100000Mechanical features100000Tightening torque for terminalsminNmMax number of wires simultaneously connectableNr.2Conductor sectionNr.2AWG/Kcmilmin16				
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AWG/Kcmil min 16	· · · · · · · · · · · · · · · · · · ·			
min 16				
		min		16
		max		



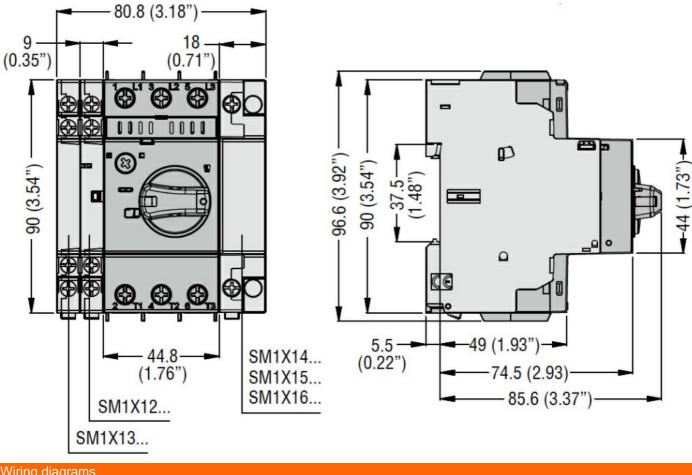
	Flexible w/o lug conductor section			
		min	mm²	1
		max	mm²	10
	Flexible c/w lug conductor section			
		min	mm²	1
		max	mm²	10
	Flexible with insulated spade lug conductor section			
		min	mm²	1
		max	mm²	10
Screwdriver				PH2
-	ction according to IEC/EN 60529			IP20 on front
Cable stripping lengh	nt			
		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
Max altitude			m	3000
Operating position				
		normal		Vertical plan
		allowable		Any
Fixing				Screw / DIN rail
				35mm
Weight			g	390
UL technical data				
Motor Disconnect				00
		at 480V	kA	30
		at 600V	kA	30 2004 alass I
	i	protection		200A class J
Group Motor Installat	10N	-1.4001/	1. 4	20
		at 480V	kA	30
		at 600V	kA	30 2024 slass l
Mariana III /000 I		protection		200A class J
waximum UL/CSA ho	orsepower ratings single-phase	440144001		<u> </u>
		110V-120V	HP	2
		220V-240V	HP	3
Maximum UL/CSA ho	prsepower ratings three-phase, 3-pole			_
		200V-208V	HP	5
		220V-240V	HP	7.5
		440V-480V	HP	15
D:		550V-600V	HP	20
Dimensions				

SM1R2500

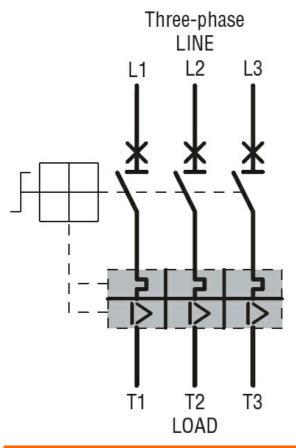
SM1R2500

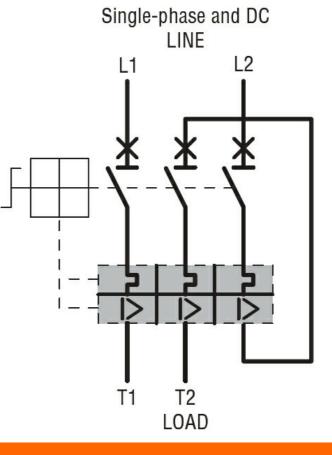


DISJONCTEUR/DÉMARREUR DE MOTEUR SM1R 20-25A









Certifications and compliance

SM1R2500

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



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