



Product designation			Motor protection circuit breaker
Product type designation			SM1RT
Electrical features		NL.	<u>^</u>
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			2025
Rated current (In)		A	25
Magnetic tripping			16 x In
Power dissipation per pole			
	min	W	1.81
	max	W	2.83
Operational short-circuit current breaking capacity (Ics) at AC			
	230V	kA	100
	400V	kA	25
	440V	kA	5
	500V	kA	5
	690V	kA	2
Maximum short-circuit current breaking capacity (Icu) at AC			
	230V	kA	100
	400V	kA	50
	440V	kA	10
	500V	kA	10
	690V	kA	4
Tripping class			10A
IEC Utilization category			А
Operations			
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		16
	max		8



SM1RT2500 MOTOR PROTECTION CIRCUIT BREAKER, TRANSFORMER PROTECTION, IEC BREAKING

CAPACITY ICU 50KA AT 400V, 20...25A

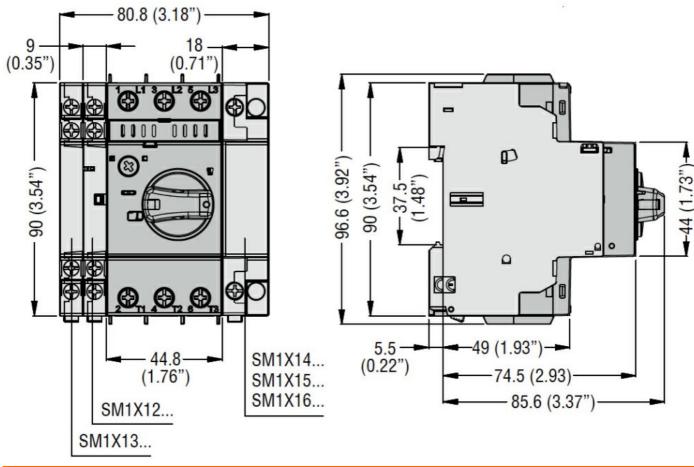
	Flexible w/o lug conductor section			
		min	mm²	1
		max	mm²	10
	Flexible c/w lug conductor section			
		min	mm²	1
		max	mm²	10
	Flexible with insulated spade lug conductor	section		
		min	mm²	1
		max	mm²	10
Screwdriver				PH2
Power terminal prote	ection according to IEC/EN 60529			IP20 on front
Cable stripping lengh	-			
easie en ppg. eg.		main circuit	mm	12
Ambient conditions		main onour		
Temperature				
- chipolataro	Operating temperature			
	oporating temperature	min	°C	-20
		max	°C	+60
	Storage temperature	IIIdX	U	FUU
	Storage temperature	min	°C	-50
			°C	+80
	Companyation tomporature	max	C	+00
	Compensation temperature		°C	20
		min	°C 2°	-20
NA		max	°C	+50
Max altitude			m	3000
Operating position				
		normal		Vertical plan
		allowable		Any
Fixing				Screw / DIN rail 35mm
Weight			g	340
UL technical data				
Motor Disconnect				
		at 480V	kA	30
		protection		200A class J
Group Motor Installat	tion	•		
		at 480V	kA	30
		protection		200A class J
Tap Conductor Prote	ection			
		at 480Y/277V	kA	30
Maximum III /C.SA b	orsepower ratings single-phase		10.1	
		110V-120V	HP	2
		220V-240V	HP	3
	orsepower ratings three-phase, 3-pole	220V-240V	1.11*	0
Maximum III /CCA h	orsepower raungs innee-phase, s-pole			E
Maximum UL/CSA h		2001/2001/		
Maximum UL/CSA h		200V-208V	HP	5
Maximum UL/CSA h		200V-208V 220V-240V 440V-480V	HP HP HP	5 7.5 15

SM1RT2500

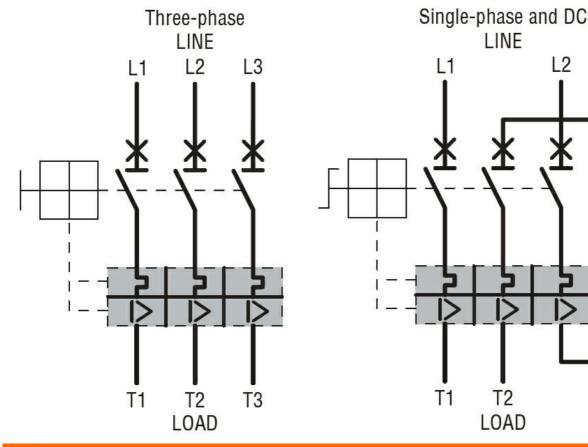
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MOTOR PROTECTION CIRCUIT BREAKER, TRANSFORMER PROTECTION, IEC BREAKING CAPACITY ICU 50KA AT 400V, 20...25A



Wiring diagrams



Certifications and compliance

SM1RT2500

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° 60947-1	
	CSA C22.2 n° 60947-4-1	
	IEC/EN/BS 60947-1	
	IEC/EN/BS 60947-2	
	IEC/EN/BS 60947-4-1	
	UL 60947-4-1	
Compliance		
	cULus	
	EAC	
ETIM classificatio	n	
		EC000074 -

ETIM 8.0

EC000074 -Motor protection circuit-breaker