



Product designation			Motor protection circuit breaker
Product type designation			SM1RT
Electrical features			
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			914
Rated current (In)		А	14
Magnetic tripping			20 x ln
Power dissipation per pole			
	min	W	1.13
	max	W	2.73
Operational short-circuit current breaking capacity (Ics) at AC			
	230V	kA	100
	400V	kA	100
	440V	kA	42
	500V	kA	42
	690V	kA	2
Maximum short-circuit current breaking capacity (Icu) at AC			
	230V	kA	100
	400V	kA	100
	440V	kA	42
	500V	kA	42
	690V	kA	4
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



SM1RT1400 MOTOR PROTECTION CIRCUIT BREAKER, TRANSFORMER PROTECTION, IEC BREAKING CAPACITY ICU 100KA AT 400V, 9...14A

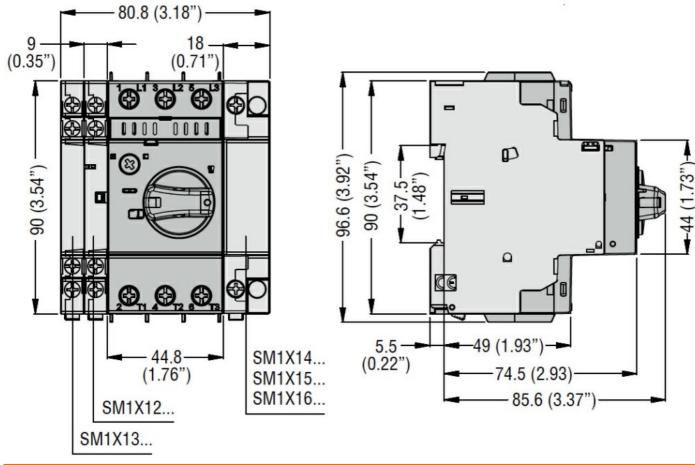
	Flexible w/o lug conductor section			
		min	mm²	1
		max	mm²	10
	Flexible c/w lug conductor section			
		min	mm²	1
		max	mm²	10
	Flexible with insulated spade lug conductor	section		
		min	mm²	1
		max	mm²	10
Screwdriver				PH2
Power terminal prote	ection according to IEC/EN 60529			IP20 on front
Cable stripping leng	ht			
		main circuit	mm	12
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-20
		max	°Č	+60
	Storage temperature	max		
		min	°C	-50
		max	°C	+80
	Compensation temperature	max	Ŭ	
	compensation temperature	min	°C	-20
		max	°C	+50
Max altitude		max	 	3000
Operating position			111	3000
Speraling position		normal		Vartical plan
		normal allowable		Vertical plan
		allowable		Any Screw / DIN rail
Fixing				35mm
Weight			0	340
UL technical data			g	340
Motor Disconnect		at 400\/	1. 0	20
		at 480V	kA	30 2004 alaaa l
Onerine Matan Looks !!	4:a.a.	protection		200A class J
Group Motor Installa	ltion			
		at 480V	kA	30
		protection		200A class J
Tap Conductor Prote	ection			
		at 480Y/277V	kA	30
Maximum UL/CSA h	orsepower ratings single-phase			
		110V-120V	HP	3/4
		220V-240V	HP	2
Maximum UL/CSA h	orsepower ratings three-phase, 3-pole			
		200V-208V	HP	3
		220V-240V	HP	3

SM1RT1400

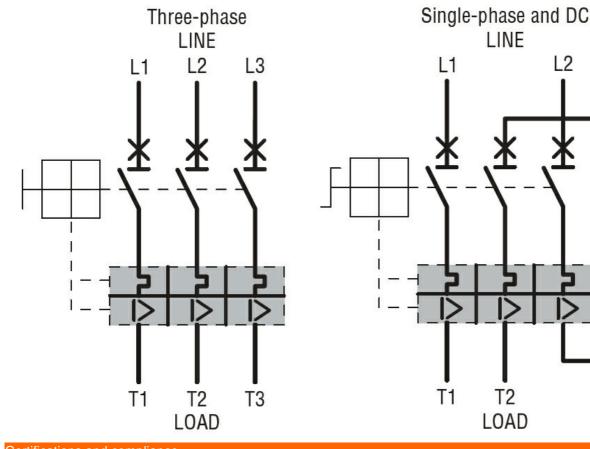


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CAPACITY ICU 100KA AT 400V, 9...14A



Wiring diagrams



Certifications and compliance

SM1RT1400

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 classification		
		EC000074 -

ETIM 8.0

EC000074 -Motor protection circuit-breaker