



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			2.54
Rated current (In)		А	4
Magnetic tripping			20 x In
Power dissipation per pole			
	min	W	0.90
	max	W	2.29
Operational short-circuit current breaking capacity (Ics) at AC			
	230V	kA	100
	400V	kA	100
	440V	kA	100
	500V	kA	100
	690V	kA	10
Maximum short-circuit current breaking capacity (Icu) at AC			
	230V	kA	100
	400V	kA	100
	440V	kA	100
	500V	kA	100
	690V	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

SM1RT0400



SM1RT0400 MOTOR PROTECTION CIRCUIT BREAKER, TRANSFORMER PROTECTION, IEC BREAKING CAPACITY ICU 100KA AT 400V, 2.5...4A

	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		2	
		min	mm²	1
Concurdatives		max	mm²	10
Screwdriver				PH2
	ction according to IEC/EN 60529			IP20 on front
Cable stripping lenght	l	main aireult	~~~~	12
Ambient conditions		main circuit	mm	12
Temperature	Operating temperature			
	operating temperature	min	°C	-20
		max	°C	-20 +60
	Storage temperature	ΠΙάλ	0	100
		min	°C	-50
		max	°C	+80
	Compensation temperature	max		
	Compondation compondatio	min	°C	-20
		max	°Č	+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	65
		protection		Fuse or CB
Group Motor Installati	on			
		at 480V	kA	65
		protection		Fuse or CB
Tap Conductor Protec	ction			
		at 480Y/277V	kA	65
Maximum UL/CSA ho	orsepower ratings single-phase			
		110V-120V	HP	1/8
		220V-240V	HP	1/3
	orsepower ratings three-phase, 3-pole			
Maximum UL/CSA ho		200V-208V	HP	3/4
Maximum UL/CSA ho			•••	
Maximum UL/CSA ho		220V-240V 220V-240V 440V-480V	HP HP	3/4 2

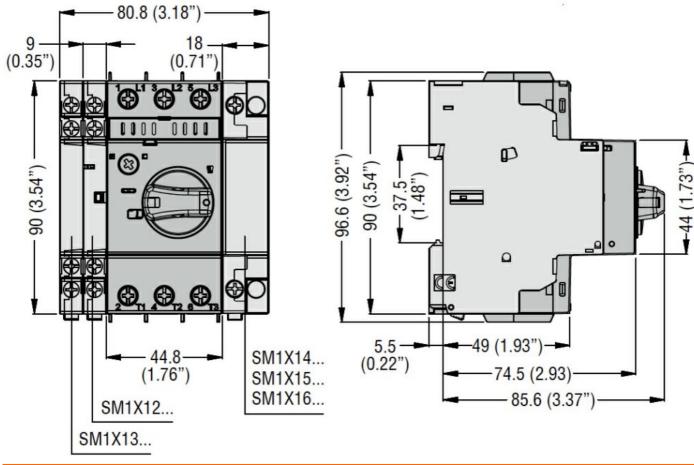


SM1RT0400 MOTOR PROTECTION CIRCUIT BREAKER, TRANSFORMER PROTECTION, IEC BREAKING

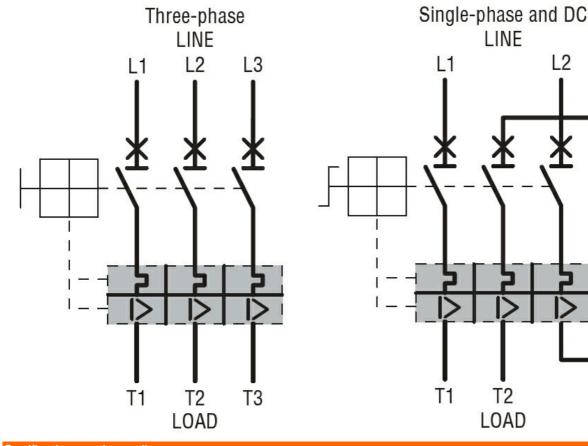
CAPACITY ICU 100KA AT 400V, 2.5...4A

L2

T2



Wiring diagrams



Certifications and compliance

SM1RT0400

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		
		FC000074 -

ETIM 8.0

EC000074 -Motor protection circuit-breaker