

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



Product designation			Motor protection circuit breaker
Product type designation			SM1RT
Electrical features  Number of poles		Nr.	3
Magnetic protection		INI.	
Thermal protection			yes
Phase failure detection			yes
Rated insulation voltage Ui IEC/EN		V	yes 690
		kV	6
Rated impulse withstand voltage Uimp		Hz	
Rated frequency		ΠZ	50/60
Thermal trip adjustment range			11.6
Rated current (In)		Α	1.6
Magnetic tripping			20 x ln
Power dissipation per pole	_		
	min	W	0.90
	max	W	2.30
Operational short-circuit current breaking capacity (Ics) at AC			
	230V	kA	100
	400V	kA	100
	440V	kA	100
	500V	kA	100
	690V	kA	100
Maximum short-circuit current breaking capacity (Icu) at AC			
	230V	kA	100
	400V	kA	100
	440V	kA	100
	500V	kA	100
	690V	kA	100
Tripping class			10A
IEC Utilization category			Α
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



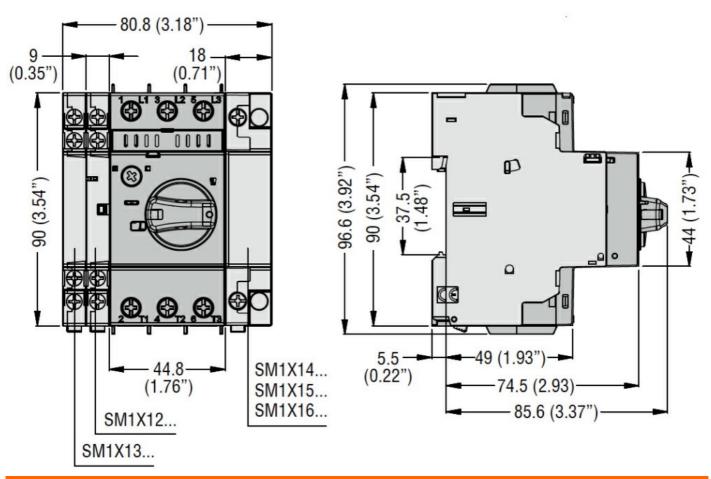


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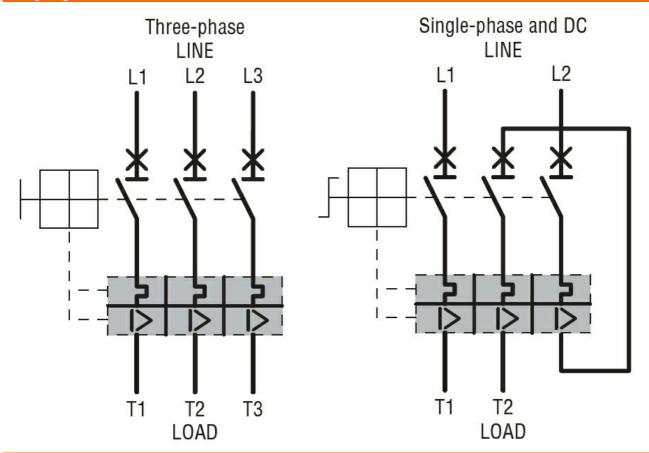
	Flexible w/o lug conductor section			
	min	mm²	1	
	max	mm²	10	
	Flexible c/w lug conductor section			
	min	mm²	1	
	max	mm²	10	
	Flexible with insulated spade lug conductor section	_		
	min	mm²	1	
	max	mm²	10	
Screwdriver	'		PH2	
	tion according to IEC/EN 60529		IP20 on front	
Cable stripping lenght				
A 11 / 12	main circuit	mm	12	
Ambient conditions				
Temperature				
	Operating temperature	0.0	00	
	min	°C	-20	
	Ctana and tanana anatawa	°C	+60	
	Storage temperature	۰۵	F0	
	min	°C	-50	
	Componentian temperature	U	+80	
	Compensation temperature	°C	20	
	min	°C	-20 +50	
Max altitude	max		3000	
Operating position		m	3000	
Operating position	normal		Vertical plan	
	allowable		Any	
	allowable		Screw / DIN rail	
Fixing			35mm	
Weight		g	280	
UL technical data				
Motor Disconnect				
	at 480V	kA	65	
	protection		Fuse or CB	
Group Motor Installation				
	at 480V	kA	65 5	
	protection		Fuse or CB	
Tap Conductor Protect		IεΛ	GE	
Maximum III /CCA I	at 480Y/277V	kA	65	
IVIAXIIIIUIII UL/CSA NOI	sepower ratings single-phase	ЫD		
	110V-120V	HP up	- 1/10	
Maximum III /CCA har	220V-240V	HP	1/10	
Maximum UL/CSA horsepower ratings three-phase, 3-pole				
	200V-208V 220V-240V	HP HP	-	
	440V-480V	HP	3/4	
Dimensions	440 V -480 V	ITF	J/+	
DIMENSIONS				



**ENERGY AND AUTOMATION** 



#### Wiring diagrams



### Certifications and compliance



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#### SM1RT0160

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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

**ETIM 8.0** 

EC000074 -Motor protection circuit-breaker