

MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 100KA AT 400V, 6.3...10A



Product designation			Motor protective circuit breaker
Product type designation			SM1R
Electrical features		pr	3
Number of poles		nr.	
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			6.310
Rated current (In)		Α	10
Magnetic tripping			13 x ln
Total power dissipation		W	2.61
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	100
	500V	kA	42
	690V	kA	4
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	1.8
	max	Ibin	2.2
Max number of wires simultaneously connectable		nr.	2
Conductor section			
AWG/Kcmil			
	min		16
	max		8
Flexible w/o lug conductor section			
ુ	min	mm²	1



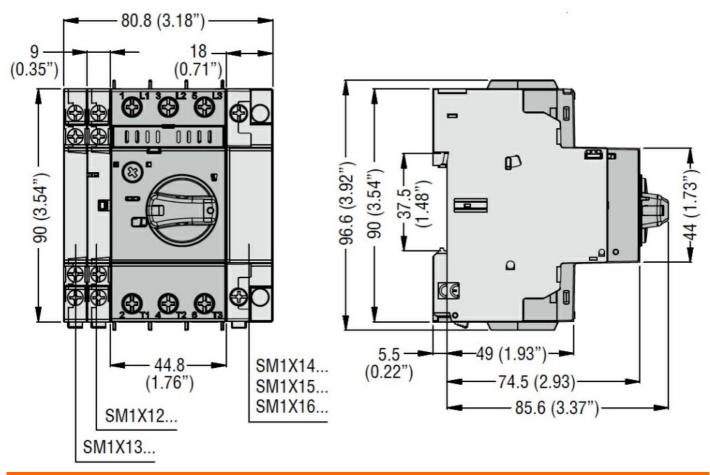


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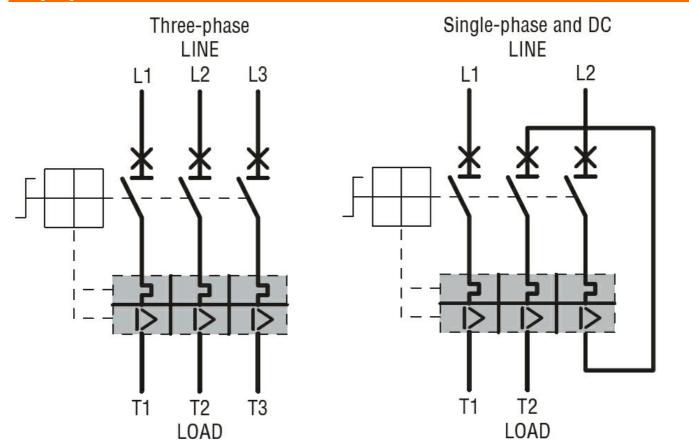
	Flexible c/w lug conductor section			
		min	mm²	1
	Flexible with insulated spade lug conductor section			
	·	min	mm²	1
Screwdriver				PH2
Power terminal protect	ction according to IEC/EN 60529			IP20
Cable stripping lengh				
11 0 0		main circuit	mm	1
Ambient conditions				
Temperature				
, , , , , , ,	Operating temperature			
	operaning compensation	min	°C	-20
		max	°C	60
	Storage temperature			
		min	°C	-50
		max	°C	80
	Compensation temperature			
	compensation temperature	min	°C	-20
		max	°C	50
Max altitude			m	3000
Operating position			•••	0000
Operating position		normal		Vertical plan
		allowable		Any
		anowabic		Screw / DIN rail
Fixing				35mm
Weight			g	390
UL technical data			9	000
Motor Disconnect				
Wotor Discornicat		at 480V	kA	30
		at 600V	kA	30
		protection	NΛ	100A class J
Group Motor Installati	on	protoction		100/10/0000
Group Motor motalian	OII	at 480V	kA	30
		at 600V	kA kA	30
		protection	KΑ	100A class J
Maximum III /CSA ha	prsepower ratings single-phase	protection		1007 CIQ22 J
IVIAXIIIIUIII UL/USA IIC	nsepower raungs single-phase	110V-120V	HP	1/2
		220V-240V	HP HP	1.5
Maximum III /CCA ha	preanauer ratings three phase 2 pale	22UV-24UV	ПР	1.0
IVIAXIIIIUIII UL/USA NO	orsepower ratings three-phase, 3-pole	2001/ 2001/	UD	0
		200V-208V	HP	2
		220V-240V	HP	3
		440V-480V	HP	5
Discoursi		550V-600V	HP	7.5
Dimensions				



ENERGY AND AUTOMATION



Wiring diagrams



Certifications and compliance



SM1R1000 MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 100KA AT 400V,

ENERGY AND AUTOMATION

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

ETIM 8.0

EC000074 -Motor protection circuit-breaker