



Product designation			Motor protection circuit breaker
Product type designation			SM1R
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			6.310
Rated current (In)		Α	10
Magnetic tripping			13 x In
Power dissipation per pole			
	min	W	1.03
	max	W	2.61
Operational short-circuit current breaking capacity (Ics) at AC			
crossession of the contract of	230V	kA	100
	400V	kA	100
	440V	kA	42
	500V	kA	42
	690V	kA	2
Maximum short-circuit current breaking capacity (Icu) at AC			
g orproduction of the control of the	230V	kA	100
	400V	kA	100
	440V	kA	100
	500V	kA	42
	690V	kA	4
Tripping class			10A
IEC Utilization category			A
Operations			
Mechanical life		cycles	100000
Electrical life		cycles	100000
Mechanical features		0,0.00	
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			
7.TT C/T.Comin	min		16
	max		8
	max		-

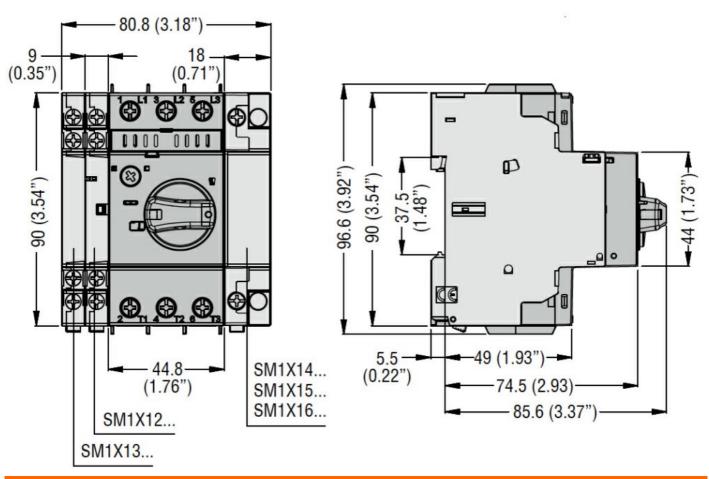


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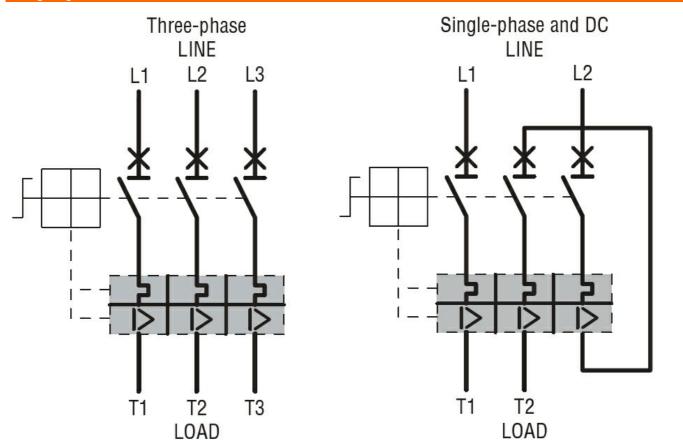
	Flexible w/o lug conductor section				
		min	mm²	1	
	-	max	mm²	10	
	Flexible c/w lug conductor section				
		min	mm²	1	
		max	mm²	10	
	Flexible with insulated spade lug conductor section				
		min	mm²	1	
		max	mm²	10	
Screwdriver				PH2	
Power terminal protect	tion according to IEC/EN 60529			IP20 on front	
Cable stripping lenght					
		main circuit	mm	12	
Ambient conditions					
Temperature					
	Operating temperature				
		min	°C	-20	
		max	°C	+60	
	Storage temperature				
		min	°C	-50	
		max	°C	+80	
	Compensation temperature				
		min	°C	-20	
		max	°C	+50	
Max altitude			m	3000	
Operating position					
		normal		Vertical plan	
		allowable		Any	
Fiving				Screw / DIN rail	
Fixing				35mm	
Weight			g	390	
UL technical data					
Motor Disconnect					
		at 480V	kA	30	
		at 600V	kA	30	
		protection		100A class J	
Group Motor Installation	n				
		at 480V	kA	30	
		at 600V	kA	30	
		protection		100A class J	
Maximum UL/CSA hor	sepower ratings single-phase				
		110V-120V	HP	1/2	
		220V-240V	HP	1.5	
Maximum UL/CSA horsepower ratings three-phase, 3-pole					
	, , , , , ,	200V-208V	HP	2	
		220V-240V	HP	3	
		440V-480V	HP	5	
		550V-600V	HP	7.5	
Dimensions					



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Wiring diagrams



Certifications and compliance



SM1R1000

MOTORSCHUTZSCHALTER DREHGRIFFBETÄTIGUNG 6,3 - 10A SM1R

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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