



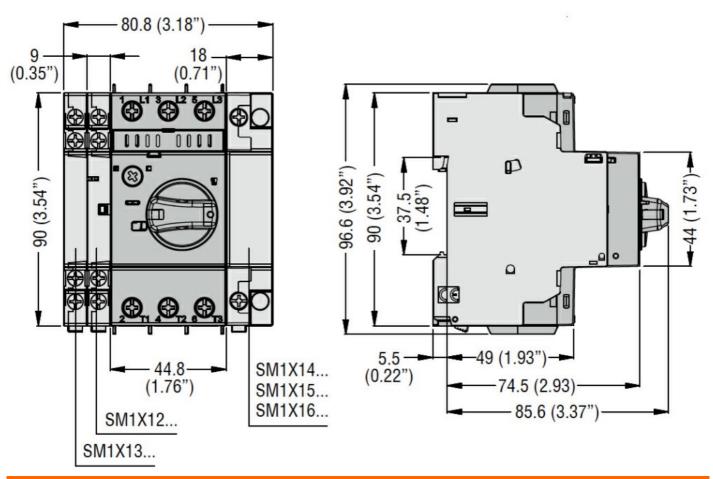
Product designation			Motor protection circuit breaker
Product type designation Electrical features			SM1R
Number of poles		Nr.	3
Magnetic protection		1 111	yes
Thermal protection			yes
Phase failure detection			yes
Rated insulation voltage Ui IEC/EN		V	690
Rated impulse withstand voltage Uimp		kV	6
Rated frequency		Hz	50/60
Thermal trip adjustment range			1723
Rated current (In)		Α	23
Magnetic tripping		,,	13 x ln
Total power dissipation		W	3.41
Operational short-circuit current breaking capacity (Ics) at AC		• • • • • • • • • • • • • • • • • • • •	0.41
operational short should buttern broaking supusity (195) at 710	230V	kA	100
	400V	kA	25
	440V	kA	5
	500V	kA	5
	690V	kA	2
Maximum short-circuit current breaking capacity (Icu) at AC	0001	101	
Waximum orion orionic broaking capacity (roa) at 710	230V	kA	100
	400V	kA	25
	440V	kA	50
	500V	kA	10
	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			
3 4 3 4 4 4 4 4 4	min	Nm	2.5
	max	Nm	3
	min	lbin	1.8
	max	lbin	2.2
Max number of wires simultaneously connectable		Nr.	2
Conductor section			_
AWG/Kcmil			
	min		16
	max		8
Flexible w/o lug conductor section			
3	min	mm²	1



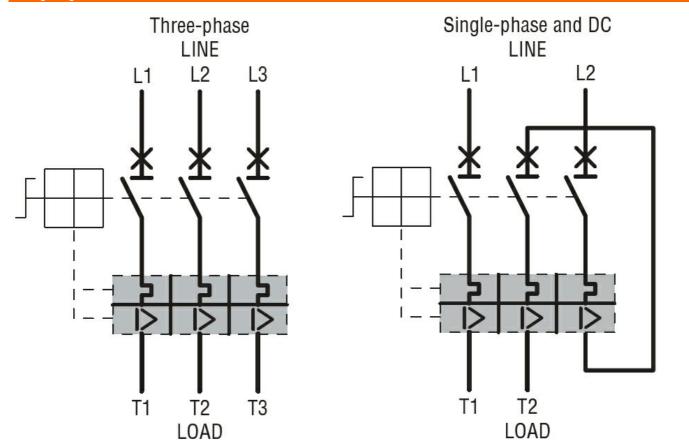
	Flexible c/w lug conductor section			
		min	mm²	1
	Flexible with insulated spade lug conductor section			
	Tionible Will mediated opade lag coniductor deciter	min	mm²	1
Screwdriver		111111		PH2
	ation according to IFC/FN COFCO			
	ction according to IEC/EN 60529			IP20
Cable stripping lengh	TI .			
		main circuit	mm	1
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-20
		max	°C	+60
	Storage temperature			
		min	°C	-50
		max	°C	+80
	Componentian tomporature	Παλ		100
	Compensation temperature	i	°C	20
		min		-20
		max	°C	+50
Max altitude			m	3000
Operating position				
		normal		Vertical plan
		allowable		Any
Et it.				Screw / DIN rail
Fixing				35mm
Weight			g	390
UL technical data			9	
Motor Disconnect				
Wotor Disconnect		at 480V	kA	30
		at 600V	kA	30
		protection		200A class J
Group Motor Installat	ion			
		at 480V	kA	30
		at 600V	kA	30
		protection		200A class J
Maximum UL/CSA ho	orsepower ratings single-phase			
		110V-120V	HP	1.5
		220V-240V	HP	3
Maximum III /CSA bo	orsepower ratings three-phase, 3-pole			-
Maximum OL/OOA III	sisopomoi raurigo urioo priase, s-poie	200V-208V	UП	F.
			HP	5
		220V-240V	HP	7.5
		440V-480V	HP	15
		550V-600V	HP	20
Dimensions				



ENERGY AND AUTOMATION



Wiring diagrams



Certifications and compliance





Motor protection circuit breaker, IEC breaking capacity Icu 50kA at 400V, 17...23A

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