



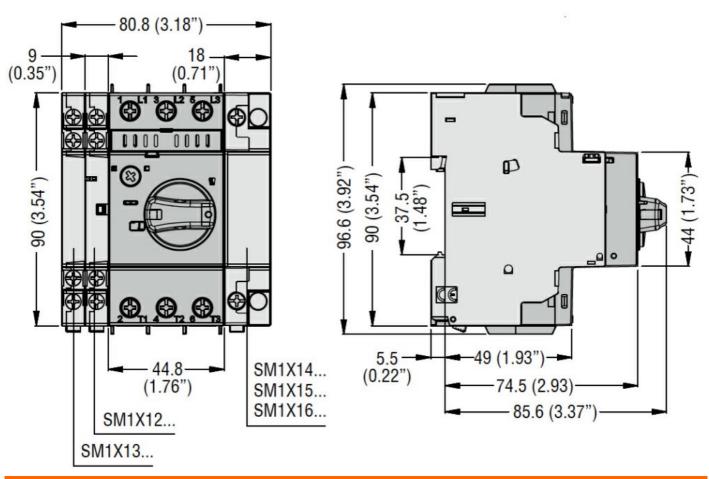
Product designation			Motor protection circuit breaker
Product type designation			SM1R
Electrical features  Number of poles		Nr.	3
Magnetic protection		INI.	yes
Thermal protection			yes
Phase failure detection			yes
Rated insulation voltage Ui IEC/EN		V	690
Rated impulse withstand voltage Uimp		kV	6
Rated frequency		Hz	50/60
Thermal trip adjustment range		ΠZ	914
Rated current (In)		Λ	14
		Α	
Magnetic tripping		10/	13 x ln
Total power dissipation		W	2.73
Operational short-circuit current breaking capacity (Ics) at AC	0001/		400
	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	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			
	min	mm²	1



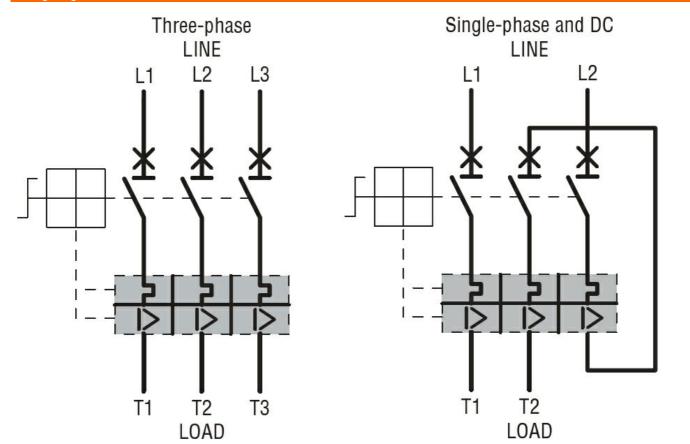
	Flexible c/w lug conductor section			
	Flexible C/W lug colludctol section	min	mm²	1
	Flexible with insulated spade lug conductor section			<u>'</u>
	r ioxidio with inculated opado lag contactor cociton	min	mm²	1
Screwdriver				PH2
	ction according to IEC/EN 60529			IP20
Cable stripping lengh				
		main circuit	mm	1
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
Fixing				Screw / DIN rail
				35mm
Weight			g	390
UL technical data				
Motor Disconnect				
		at 480V	kA	30
		at 600V	kA	30
		protection		200A class J
Group Motor Installat	ion			0.0
		at 480V	kA	30
		at 600V	kA	30
111 /004 1		protection		200A class J
Maximum UL/CSA no	orsepower ratings single-phase	440) / 400) /	ш	0/4
		110V-120V	HP	3/4
Maximum III /00 A I	annon account water was the same who con 20 moles	220V-240V	HP	2
iviaximum UL/CSA ho	orsepower ratings three-phase, 3-pole	2001/ 2001/	LID	2
		200V-208V	HP	3
		220V-240V 440V-480V	HP HD	3
			HP HP	10 10
Dimensions		550V-600V	пР	I U
Dimensions				



ENERGY AND AUTOMATION



## Wiring diagrams



## Certifications and compliance





**ENERGY AND AUTOMATION** 

Motor protection circuit breaker, IEC breaking capacity Icu 100kA at 400V, 9...14A

$\sim$		••		٠.		
Ce	rtı	t١	റമ	tı	$^{\circ}$	nc
$\sim$ c	ıLI	11				

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