80...100A



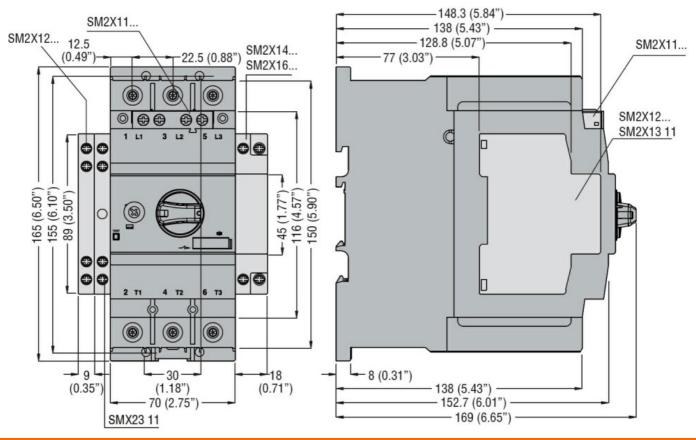
Product designation			Motor protection circuit breaker
Product type designation			SM3R
Electrical features			
Number of poles		Nr.	3
Magnetic protection			yes
Thermal protection			yes
Phase failure detection			yes
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	6
Rated frequency		Hz	50/60
Thermal trip adjustment range			80100
Rated current (In)		Α	100
Magnetic tripping			13 x ln
Power dissipation per pole			
Tomor dissipation per pero	max	W	7
Operational short-circuit current breaking capacity (Ics) at AC	max		•
operational errors errors producing capacity (166) at 716	230V	kA	100
	400V	kA	38
	440V	kA	30
	500V	kA	6
	690V	kA	4
Maximum short-circuit current breaking capacity (Icu) at AC			
g (,)	230V	kA	100
	400V	kA	50
	440V	kA	40
	500V	kA	8
	690V	kA	5
Tripping class			10A
IEC Utilization category			A
Operations			
Mechanical life		cycles	50000
Electrical life		cycles	25000
Mechanical features			
Tightening torque for terminals			
	min	Nm	4.5
	max	Nm	4.5
	min	Ibin	4.4
	max	Ibin	4.4
Max number of wires simultaneously connectable		Nr.	2
Conductor section			
AWG/Kcmil			
	min		18
	max		3
Flexible c/w lug conductor section			



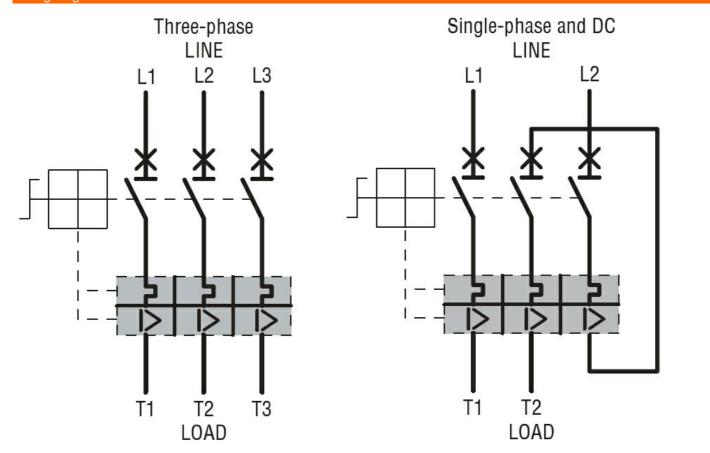
MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 50KA AT 400V, 80...100A

		min	mm²	10
		max	mm²	50
	Flexible with insulated spade lug conductor section			
		min	mm²	10
0		max	mm²	50
Screwdriver	"			Allen 4mm
	ction according to IEC/EN 60529			IP20
Cable stripping lengh	ıt	mania airavit		4
Ambient conditions		main circuit	mm	1
Temperature				
remperature	Operating temperature			
	Operating temperature	min	°C	-20
		max	°C	+70
	Storage temperature	IIIdx		+70
	Storage temperature	min	°C	-50
		max	°C	+80
	Compensation temperature	THAN		
	Componential Componential	min	°C	-50
		max	°C	+40
Max altitude			m	3000
Operating position				
31		normal		Vertical plan
		allowable		Any
F' '				Screw / DIN rail
Fixing				35mm
Weight			g	2200
UL technical data				
Motor Disconnect				
		at 480V	kA	40
		at 600V	kA	10
		protection		Fuse or CB
Group Motor Installat	ion			
		at 480V	kA	40
		at 600V	kA	10
		protection		Fuse or CB
Tap Conductor Prote				
		t 480Y/277V	kA	40
		t 600Y/347V	kA	10
UL508 / UL 60947-4-	1 Manual Self Protected Combination Motor Controller (T			
		at 240V	kA	100
		t 480Y/277V	kA	40
Maximum UL/CSA ho	orsepower ratings single-phase			
		110V-120V	HP	10
		220V-240V	HP	20
Maximum UL/CSA ho	orsepower ratings three-phase, 3-pole			
		200V-208V	HP	30
		220V-240V	HP	30
		440V-480V	HP	75 400
Discoursians 5 (**)		550V-600V	HP	100
Dimensions [mm (in)]				





Wiring diagrams



Certifications and compliance

Certifications



SM3R9900

MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 50KA AT 400V, 80...100A

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