



Product designation				Motor protection circuit breaker
Product type designa	tion			SM1RM
Electrical features				
Magnetic protection				yes
Thermal protection				no
Rated insulation volta	-		V	690
Rated impulse withsta	and voltage Uimp		kV	6
Rated frequency			Hz	50/60
Rated current (In)			Α	1.6
Magnetic tripping				13 x In
Power dissipation per	r pole			
		min	W	0.90
		max	W	2.30
Operational short-circ	uit current breaking capacity (Ics) at AC			
		230V	kA	100
		400V	kA	100
		440V	kA	100
		500V	kA	100
		690V	kA	100
Maximum short-circui	t current breaking capacity (Icu) at AC			
		230V	kA	100
		400V	kA	100
		440V	kA	100
		500V	kA	100
		690V	kA	100
IEC Utilization catego	rv			A
Operations	- ,			
Mechanical life			cycles	100000
Electrical life			cycles	100000
Mechanical features			0)0100	100000
Tightening torque for	terminals			
rightening terque for		min	Nm	2.5
		max	Nm	3
		min	Ibin	22
		max	Ibin	26.5
Conductor section		max	10111	_0.0
	AWG/Kcmil			
		min		16
		max		8
	Flexible w/o lug conductor section	ΠΙάλ		0
	I TEVIDIE MIO INÀ COTIQUEIOL SECTION	min	mm²	1
		max	mm²	10
	Flexible c/w lug conductor section	IIIdX	111111	10
	I TEXIDIE C/W TUY COTTOUCTOR SECTION	min	mm ²	1
		min	mm²	1

SM1RM0160



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

1.6A

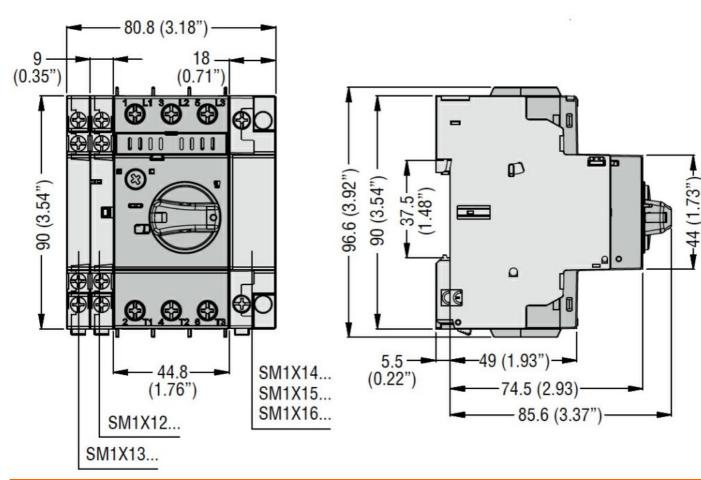
		max	mm²	10
	Flexible with insulated spade lug conductor section			
		min	mm²	1
		max	mm²	10
Screwdriver				PH2
Cable stripping lenght		main circuit	mm	12
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-20
		max	°C	+60
	Storage temperature			
		min	°C	-50
		max	°C	+80
	Compensation temperature			
		min	°C	-20
		max	°C	+50
Max altitude			m	3000
Operating position				
		allowable		Any
Fixing				Screw / DIN rail 35mm
Weight			g	320
UL technical data				
Motor Disconnect				
		at 480V	kA	50
		at 600V	kA	50
		protection		Fuse or CB
Group Motor Installatio	n			
		at 480V	kA	50
		at 600V	kA	50
		protection		Fuse or CB
Tap Conductor Protect				
		at 480Y/277V	kA	50
		at 600Y/347V	kA	50
Dimensions				



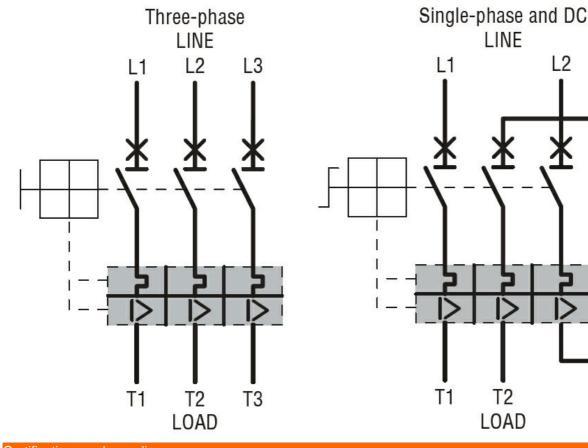
MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 100KA AT 400V, 1.6A

SM1RM0160

L2



Wiring diagrams



Certifications and compliance

SM1RM0160

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 100KA AT 400V, 1.6A

SM1RM0160

Certifications	
	CSA C22.2 n° 60947-4-1
	IEC/EN 60947-1
	IEC/EN 60947-2
	IEC/EN 60947-4-1
	UL60947-4-1
Compliance	
	cULus
	EAC
ETIM classification	h

ETIM 8.0

EC000074 -Motor protection circuit-breaker

SM1RM0160