



Product designation			Motor protection circuit breaker
Product type designation			SM1P
Electrical features Number of poles		Nr.	3
Magnetic protection		INI.	
Thermal protection			yes
Phase failure detection			yes
Rated insulation voltage Ui IEC/EN		V	yes 690
		kV	6
Rated impulse withstand voltage Uimp		Hz	
Rated frequency		ΠZ	50/60
Thermal trip adjustment range			2432
Rated current (In)		Α	32
Magnetic tripping			13 x ln
Power dissipation per pole	_		
	min	W	2.49
	max	W	4.42
Operational short-circuit current breaking capacity (Ics) at AC			
	230V	kA	50
	400V	kA	5
	440V	kA	5
	500V	kA	5
	690V	kA	2
Maximum short-circuit current breaking capacity (Icu) at AC			
	230V	kA	50
	400V	kA	10
	440V	kA	10
	500V	kA	10
	690V	kA	2
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	22
	max	Ibin	26.5
Max number of wires simultaneously connectable		Nr.	2
Conductor section			_
AWG/Kcmil			
	min		16
	max		8
			-

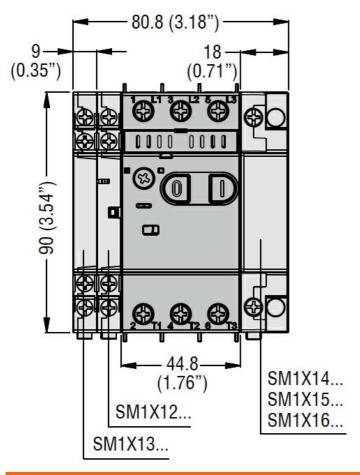


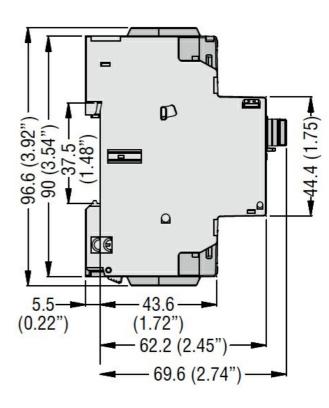


MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 10KA AT 400V,

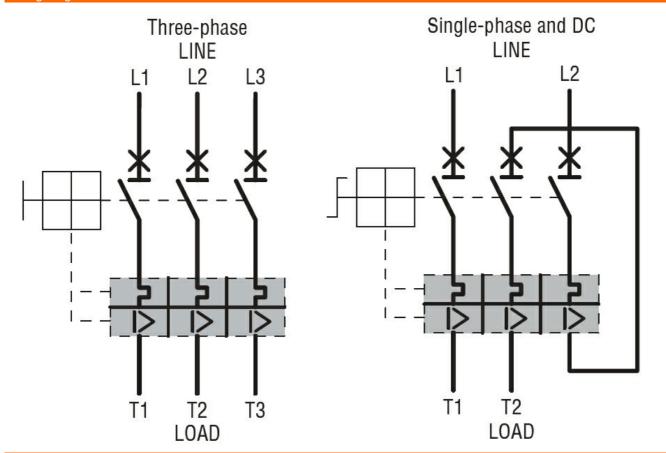
	Flexible w/o lug conductor section		
	min	mm²	1
	max	mm²	10
	Flexible c/w lug conductor section		
	min	mm²	1
	max	mm²	10
	Flexible with insulated spade lug conductor section		
	min	mm²	1
	max	mm²	10
Screwdriver			PH2
Power terminal prote	ction according to IEC/EN 60529		IP20
Cable stripping lengh	ıt		
	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
Fixing			Screw / DIN rail 35mm
Weight		g	350
UL technical data			
Motor Disconnect			
	at 240V	kA	5
	at 240V at 480V	kA kA	5 5
UL technical data	at 480V		5
UL technical data	at 480V		5
UL technical data	at 480V protection	kA	5 Fuse or CB
UL technical data	at 480V protection Group Motor Installation at 240V	kA kA	5 Fuse or CB
	at 480V protection Group Motor Installation at 240V Group Motor Installation at 480V Group Motor Installation protection	kA kA	5 Fuse or CB 5 5
	at 480V protection Group Motor Installation at 240V Group Motor Installation at 480V Group Motor Installation protection	kA kA	5 Fuse or CB 5 5
	at 480V protection Group Motor Installation at 240V Group Motor Installation at 480V Group Motor Installation protection ction	kA kA kA	5 Fuse or CB 5 5 Fuse or CB
Tap Conductor Prote	at 480V protection Group Motor Installation at 240V Group Motor Installation at 480V Group Motor Installation protection ction at 480Y/277V	kA kA kA	5 Fuse or CB 5 5 Fuse or CB
Tap Conductor Prote	at 480V protection Group Motor Installation at 240V Group Motor Installation at 480V Group Motor Installation protection ction at 480Y/277V at 600Y/347V	kA kA kA	5 Fuse or CB 5 5 Fuse or CB
Tap Conductor Prote	at 480V protection Group Motor Installation at 240V Group Motor Installation at 480V Group Motor Installation protection ction at 480Y/277V at 600Y/347V orsepower ratings single-phase	kA kA kA kA	5 Fuse or CB 5 Fuse or CB 50 50
Tap Conductor Prote Maximum UL/CSA ho	Group Motor Installation at 240V Group Motor Installation at 480V Group Motor Installation protection Ction at 480Y/277V at 600Y/347V Drsepower ratings single-phase 110V-120V	kA kA kA kA	5 Fuse or CB 5 5 Fuse or CB 50 50
Tap Conductor Prote Maximum UL/CSA ho	Group Motor Installation at 240V Group Motor Installation at 480V Group Motor Installation protection ction at 480Y/277V at 600Y/347V presepower ratings single-phase 110V-120V 220V-240V	kA kA kA kA	5 Fuse or CB 5 5 Fuse or CB 50 50
	Group Motor Installation at 240V Group Motor Installation at 480V Group Motor Installation protection ction at 480Y/277V at 600Y/347V presepower ratings single-phase 110V-120V 220V-240V presepower ratings three-phase, 3-pole	kA kA kA HP	5 Fuse or CB 5 5 Fuse or CB 50 50 2 5







Wiring diagrams





SM1P3200

MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 10KA AT 400V, 24...32A

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