

MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 25KA AT 400V, 13...18A



Product designation			Motor protection circuit breaker
Product type designation			SM1P
Electrical features		N In	2
Number of poles		Nr.	3
Magnetic protection			yes
Thermal protection			yes
Phase failure detection		V	yes
Rated insulation voltage Ui IEC/EN			690
Rated impulse withstand voltage Uimp		kV	
Rated frequency		Hz	50/60
Thermal trip adjustment range		Δ	1318
Rated current (In)		A	18
Magnetic tripping		141	13 x ln
Total power dissipation		W	2.57
Operational short-circuit current breaking capacity (Ics) at AC			
	230V	kA	50
	400V	kA	12.5
	440V	kA	5
	500V	kA	5
	690V	kA	3
Maximum short-circuit current breaking capacity (Icu) at AC			
	230V	kA	100
	400V	kA	25
	440V	kA	10
	500V	kA	10
	690V	kA	3
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	Ibin	22
	max	Ibin	26.5
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



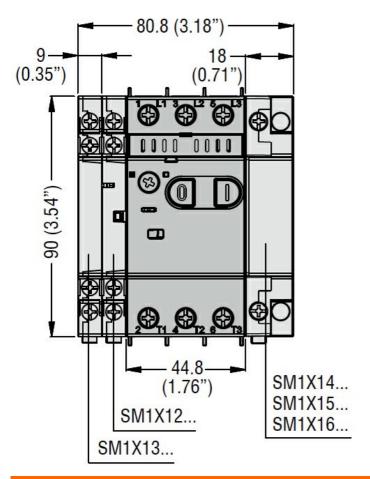


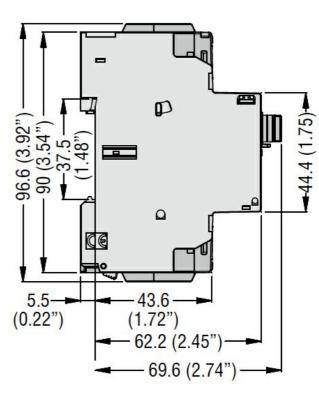
MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 25KA AT 400V,

	Flexible c/w lug conductor section			
		min	mm²	1
	Flexible with insulated spade lug conductor section			
		min	mm²	1
Screwdriver				PH2
Power terminal prote	ection according to IEC/EN 60529			IP20
Cable stripping leng	ht			
	mair	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
	all	owable		Any
Fixing				Screw / DIN rail 35mm
Weight			g	350
UL technical data				
Motor Disconnect				
	а	t 240V	kA	30
	а	t 480V	kA	30
	pro	tection		100A class J
Group Motor Installa	ation			
	a	t 240V	kA	30
	a	t 480V	kA	30
	·	tection		100A class J
Tap Conductor Prote	ection			
	at 480\	//277V	kA	50
	at 600\		kA	50
UL508 / UL 60947-4	-1 Manual Self Protected Combination Motor Controller (Type E		ircuit cui	
	а	t 240V	kA	50
	at 480\		kA	50
	at 480\ at 600\		kA kA	50 50
Maximum UL/CSA h	at 480\ at 600\ norsepower ratings single-phase	//347V	kA	
Maximum UL/CSA h	at 480\ at 600\ norsepower ratings single-phase	//347V /-120V	kA HP	1
	at 480\ at 600\ norsepower ratings single-phase 110\ 220\	//347V	kA	50
	at 480\ at 600\ norsepower ratings single-phase	//347V /-120V	kA HP	1
	at 480\\ at 600\\ norsepower ratings single-phase 110\\ 220\\ norsepower ratings three-phase, 3-pole 200\\	//347V /-120V /-240V /-208V	kA HP	50 1 3
	at 480\\ at 600\\ norsepower ratings single-phase 110\\ 220\\ norsepower ratings three-phase, 3-pole 200\\ 220\\	//347V /-120V /-240V	KA HP HP	50 1 3

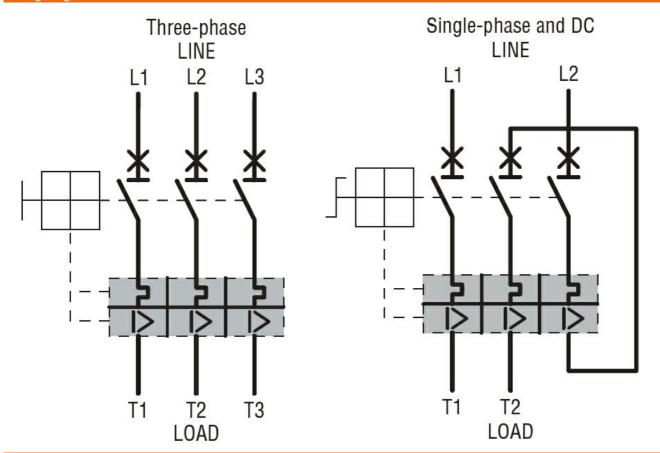


ENERGY AND AUTOMATION





Wiring diagrams





SM1P1800

MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 25KA AT 400V,

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