

## SM1P1800 MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 25KA AT 400V, 13...18A



Motor protective circuit breaker SM1P

nr.

٧

kV

Hz

А

W

3

yes

yes

Yes

690

50/60

13...18

13 x In

2.57

6

18

Product type designation Electric feature Number of poles Magnetic protection Thermal protection Phase failure detection Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp Rated frequency

Thermal trip adjustment range Rated current (In) Magnetic tripping

Total power dissipation

Product designation

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			А
Operations			
Mechanical life		cycles	100000
Electrical life		cycles	100000
Mechanical features		-	

Tightening torque for terminals

ingitioning torquo for tori				
		min	Nm	2.5
		max	Nm	3
		min	lbin	1.8
		max	lbin	2.2
Max number of wires simu	ultaneously 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			
		min	mm²	1
	Flexible with insulated spade lug conductor section			
		min	mm²	1
Screwdriver				PH2
Power terminal protection	according to IEC/EN 60529			IP20
Cable stripping lenght				
		main circuit	mm	1
Ambient conditions				
Temperature				

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
		m	3000

Max altitude

SM1P1800

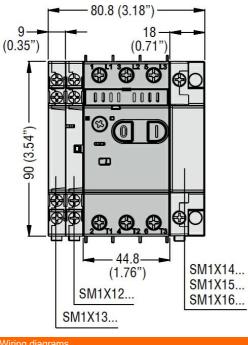


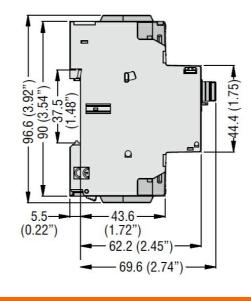
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ENERGY AND AUTOMATION

Operating position		
normal		Vertical plan
allowable		Any
Fixing		Screw / DIN rail 35mm
Weight	g	350
UL technical data		
UL508 / UL60947-4-1 Manual Motor Controller - Short circuit current		
Motor Disconnect		
at 240V	kA	30
at 480V	kA	30
protection		100A class J
Group Motor Installation		
at 240V	kA	30
at 480V	kA	30
protection		100A class J
Tap Conductor Protection		
at 480Y/277V	kA	50
at 600Y/347V	kA	50
UL508 / UL 60947-4-1 Manual Self Protected Combination Motor Controller (Type E) Short circuit current		
UL508 / UL 60947-4-1 Manual Self Protected Combination M	otor <b>Ø</b> ontr	oller5(07ype E) Short-circuit
UL508 / UL 60947-4-1 Manual Self Protected Combination M	otor <b>K?</b> ontr	oller5(0Type E) Short-circuit
UL508 / UL 60947-4-1 Manual Self Protected Combination M	otor KAontr	oller5(CType E) Short-circuit

Maximum UL/CSA horsepower ratings single-phase				
	at 110V-120V	hp	1	
	at 220V-240V	hp	3	
Maximum UL/CSA horsepower ratings three-phase, 3-pole				
	at 200V-208V	hp	5	
	at 220V-240V	hp	5	
	at 440V-480V	hp	10	
	at 550V-600V	hp	15	
Dimensions				



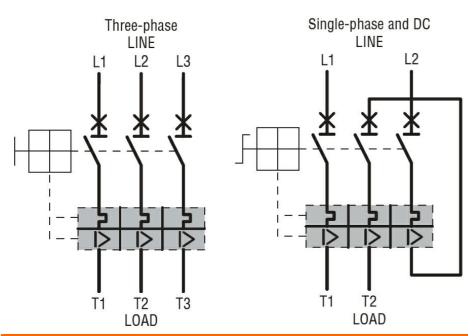


Wiring diagram





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



Certifications and com	nce a state of the
Certifications	
	CSA C22.2 n° 14
	IEC/EN 60947-1
	IEC/EN 60947-2
	IEC/EN 60947-4-1
	UL508
Compliance	
	cULus
	EAC
ETIM 6 classification	