## electric INTERRUPTORES GUARDAMOTORES, PODER DE CORTE EN CORTOCIRCUITO ICU A 400V = 25KA, 13...18A

**ENERGY AND AUTOMATION** 



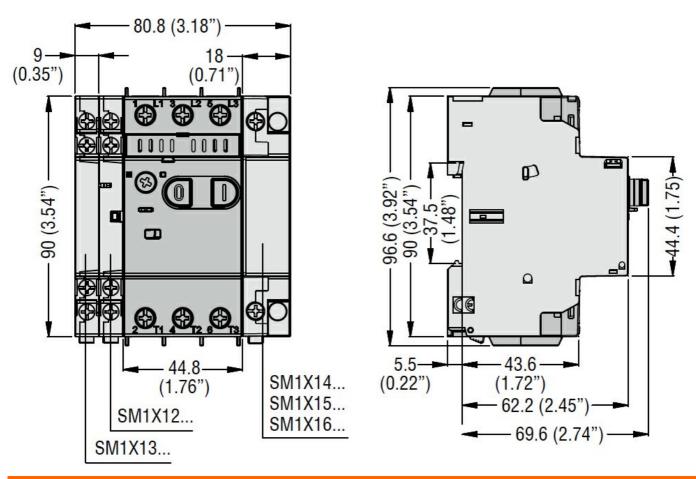
Product designation			Motor protection circuit breaker
Product type designation			SM1P
Electrical features			
Number of poles		Nr.	3
Magnetic protection			yes
Thermal protection			yes
Phase failure detection			yes
Rated insulation voltage Ui IEC/EN		V	690
Rated impulse withstand voltage Uimp		kV	6
Rated frequency		Hz	50/60
Thermal trip adjustment range			1318
Rated current (In)		Α	18
Magnetic tripping			13 x ln
Power dissipation per pole			
	min	W	1.34
	max	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			A
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

## electric INTERRUPTORES GUARDAMOTORES, PODER DE CORTE EN CORTOCIRCUITO ICU A 400V = 25KA, 13...18A

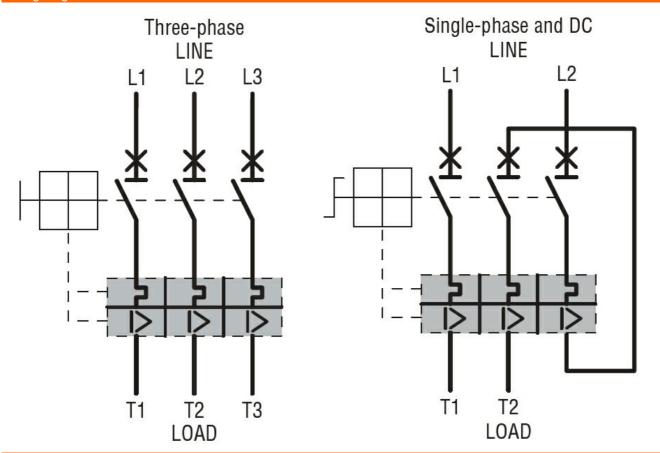
**ENERGY AND AUTOMATION** 

Flexible w/o lug conductor section			-
3	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	1		
	min	mm²	1
	max	mm²	10
			PH2
tion according to IEC/EN 60529			IP20 on front
	main circuit	mm	12
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
	normal		Vertical plan
	allowable		Any
			Screw / DIN rail 35mm
		g	350
	at 240V	kA	30
	at 480V	kA	30
	protection		100A class J
n			
	at 240V	kA	30
	at 480V	kA	30
	protection		100A class J
ion			
	at 480Y/277V	kA	50
	at 600Y/347V	kA	50
sepower ratings single-phase			
	110V-120V	HP	1
	220V-240V	HP	3
sepower ratings three-phase, 3-pole			
	200V-208V	HP	5
	220V-240V	HP	5
			-
	440V-480V	HP	10
	Operating temperature  Storage temperature  Compensation temperature  n  ion  sepower ratings single-phase	Min   Max	Plexible c/w lug conductor section





## Wiring diagrams







electric INTERRUPTORES GUARDAMOTORES, PODER DE CORTE EN CORTOCIRCUITO ICU A 400V = 25KA, 13...18A

**ENERGY AND AUTOMATION** 

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