MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 100KA AT 400V, 6.3...10A



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			6.310
Rated current (In)		Α	10
Magnetic tripping			13 x ln
Power dissipation per pole			
	min	W	1.03
	max	W	2.61
Operational short-circuit current breaking capacity (Ics) at AC			
	230V	kA	100
	400V	kA	100
	440V	kA	13
	500V	kA	13
	690V	kA	3
Maximum short-circuit current breaking capacity (Icu) at AC	0001	10 (
Maximum short direct barrent breaking dapatity (164) at 710	230V	kA	100
	400V	kA	100
	440V	kA	25
	500V	kA	25
	690V	kA kA	3
Tripping class	090 v	NA.	10A
Tripping class			
IEC Utilization category			Α
Operations			100000
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	lbin	26.5
Max number of wires simultaneously connectable		Nr.	2
Conductor section			
AWG/Kcmil			
	min		16
	max		8

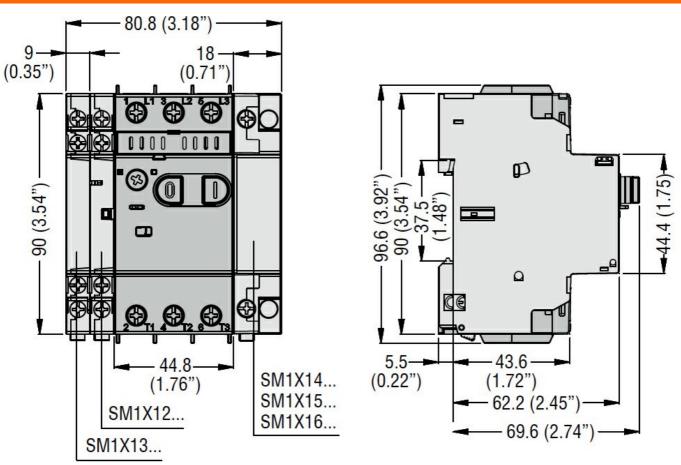


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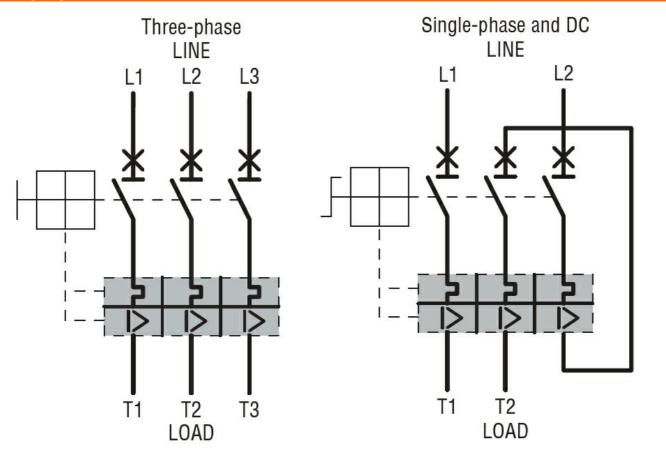
	Flexible w/o lug conductor section			
		min	mm²	1
		max	mm²	10
	Flexible c/w lug conductor section			
		min	mm²	1
	E. 21. 20.1. La	max	mm²	10
	Flexible with insulated spade lug conductor se			4
		min	mm²	1
Screwdriver		max	mm²	10 PH2
	action apparating to IEC/EN 60520			IP20 on front
Cable stripping leng	ection according to IEC/EN 60529			IP20 on front
Cable stripping leng	TIL TILL	main circuit	mm	12
Ambient conditions		main circuit	111111	12
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			9	000
Motor Disconnect				
		at 240V	kA	30
		at 480V	kA	30
		at 600V	kA	30
		protection		100A class J
Group Motor Installa	ation			
		at 240V	kA	30
		at 480V	kA	30
		at 600V	kA	30
-		protection		100A class J
Tap Conductor Prote	ection			50
		at 480Y/277V	kΑ	50
Maximum III /00 ^ 1	paragonal artifacts also also also also also also also als	at 600Y/347V	kA	50
iviaximum UL/CSA r	norsepower ratings single-phase	440\/ 400\/	LID	1/2
		110V-120V	HP HP	1/2 1.5
Maximum III /CCA L	porconowar ratings three phase 2 pale	220V-240V	пР	U.U
IVIAXIIIIUIII UL/USA I	norsepower ratings three-phase, 3-pole	200V-208V	HP	2
		200V-208V 220V-240V	HP HP	2 3
		440V-480V	пР HP	5 5
		550V-600V	пr HP	7.5
		330 V 000 V		

ENERGY AND AUTOMATION

Dimensions



Wiring diagrams







ENERGY AND AUTOMATION

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

Certifications and o	compliance
Certifications	
	CSA C22.2 n° 14
	IEC/EN 60947-1
	IEC/EN 60947-2
	IEC/EN 60947-4-1
	UL508
Compliance	
	cULus
	EAC