MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 100KA AT 400V, 4...6.5A



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			46.5
Rated current (In)		Α	6.5
Magnetic tripping			13 x ln
Power dissipation per pole			
	min	W	0.75
	max	W	1.99
Operational short-circuit current breaking capacity (Ics) at AC			
	230V	kA	100
	400V	kA	100
	440V	kA	100
	500V	kA	100
	690V	kA	3
Maximum short-circuit current breaking capacity (Icu) at AC			
	230V	kA	100
	400V	kA	100
	440V	kA	100
	500V	kA	100
	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	lbin	22
	max	lbin	26.5
Max number of wires simultaneously connectable		Nr.	2
Conductor section		·	_
AWG/Kcmil			
	min		16
	max		8





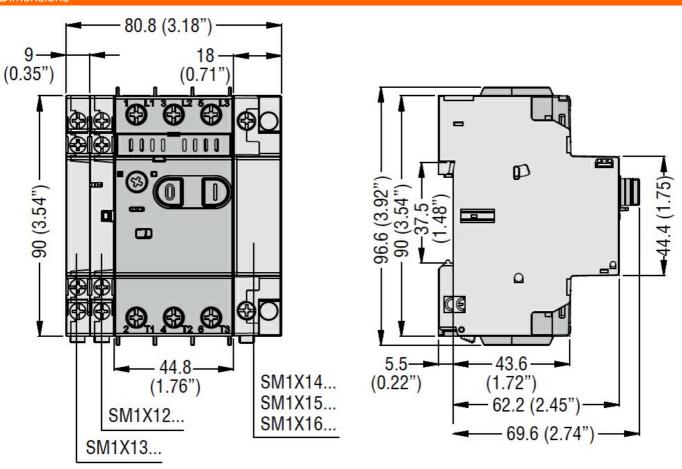
MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 100KA AT 400V, 4...6.5A

	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 conducto	r section		
		min	mm²	1
		max	mm²	10
Screwdriver				PH2
	ection according to IEC/EN 60529			IP20 on front
Cable stripping lengh	ht			
		main circuit	mm	12
Ambient conditions				
Temperature				
	Operating temperature		0.0	20
		min	°C	-20
	Storage tompositions	max	°C	+60
	Storage temperature	min	°C	-50
			°C	-50 +80
	Compensation temperature	max		+00
	Compensation temperature	min	°C	-20
		max	°C	+50
Max altitude		max	m	3000
Operating position				
a processing processing		normal		Vertical plan
		allowable		Any
Fixing				Screw / DIN rail 35mm
Weight			g	350
UL technical data				
Motor Disconnect				
		at 240V	kA	30
		at 480V	kA	30
		at 600V	kA	30
		protection		100A class J
Group Motor Installat	tion			
		at 240V	kA	30
		at 480V	kA	30
		at 600V	kA	30
Tan Oak Little Dist		protection		100A class J
Tap Conductor Prote	ection	- (400) ((077) (50
		at 480Y/277V	kA	50
Manian III /00A h		at 600Y/347V	kA	50
iviaximum ol/CSA no	orsepower ratings single-phase	440\/ 400\/	UD	1/1
		110V-120V	HP HP	1/4
Movimum III /CCA I-	organowar ratings three phase 2 pela	220V-240V		1/2
iviaximum UL/CSA No	orsepower ratings three-phase, 3-pole	2007 2007	ШΡ	1 5
		200V-208V 220V-240V	HP HP	1.5 1.5
		220V-240V 440V-480V	HP HP	1.5 3
		550V-600V	HP	5 5
		330 V -000 V	1 11	•

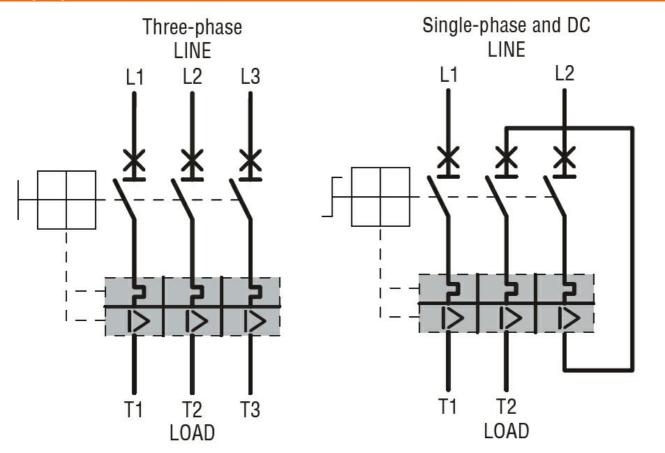


ENERGY AND AUTOMATION

Dimensions



Wiring diagrams







ENERGY AND AUTOMATION

MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 100KA AT 400V, 4...6.5A

Certifications and com	npliance	
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