

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



Product designation				Motor protective circuit breaker SM1P
Product type designation Electrical features				SWIP
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 vo			kV	6
Rated frequency			Hz	50/60
Thermal trip adjustment ran	ge			6.310
Rated current (In)	<u> </u>		Α	10
Magnetic tripping				13 x ln
Total power dissipation			W	2.61
	rrent breaking capacity (Ics) at AC			
	3 ,	230V	kA	100
		400V	kA	100
		440V	kA	13
		500V	kA	13
		690V	kA	3
Maximum short-circuit curre	ent breaking capacity (Icu) at AC	0001	10 1	
	2. 32g supusity (104) at 110	230V	kA	100
		400V	kA	100
		440V	kA	25
		500V	kA	25
		690V	kA	3
Tripping class		030 V	IV-1	10A
IEC Utilization category				A
Operations				A
Mechanical life			ovoloo	100000
Electrical life			cycles cycles	100000
Mechanical features			Cycles	100000
Tightening torque for termin				
rigitieriirig torque for termin	idis	in	Nm	2.5
		min	Nm	3
		max		
		min	lbin	1.8
Max number of wires simult	anagualy connectable	max	lbin	2.2
	aneously connectable		nr.	
Conductor section	AMO II Comit			
	AWG/Kcmil			40
		min		16
	FI 71 / 1 / 2	max		8
	Flexible w/o lug conductor section			
		min	mm²	1
	Flexible c/w lug conductor section			
	Tioxible of Wing conductor decitors		_	
		min	mm²	1
	Flexible with insulated spade lug conductor section			
		min min	mm²	1
Screwdriver	Flexible with insulated spade lug conductor section			1 PH2
Power terminal protection a	Flexible with insulated spade lug conductor section			1
	Flexible with insulated spade lug conductor section			1 PH2
Power terminal protection a Cable stripping lenght	Flexible with insulated spade lug conductor section			1 PH2
Power terminal protection a	Flexible with insulated spade lug conductor section	min	mm²	1 PH2 IP20
Power terminal protection a Cable stripping lenght	Flexible with insulated spade lug conductor section	min	mm²	1 PH2 IP20
Power terminal protection a Cable stripping lenght Ambient conditions	Flexible with insulated spade lug conductor section	min	mm²	1 PH2 IP20
Power terminal protection a Cable stripping lenght Ambient conditions	Flexible with insulated spade lug conductor section according to IEC/EN 60529	min	mm²	1 PH2 IP20
Power terminal protection a Cable stripping lenght Ambient conditions	Flexible with insulated spade lug conductor section according to IEC/EN 60529	min main circuit	mm²	1 PH2 IP20 1
Power terminal protection a Cable stripping lenght Ambient conditions	Flexible with insulated spade lug conductor section according to IEC/EN 60529	min main circuit	mm² mm	1 PH2 IP20 1
Power terminal protection a Cable stripping lenght Ambient conditions	Flexible with insulated spade lug conductor section according to IEC/EN 60529 Operating temperature	min main circuit	mm² mm	1 PH2 IP20 1
Power terminal protection a Cable stripping lenght Ambient conditions	Flexible with insulated spade lug conductor section according to IEC/EN 60529 Operating temperature	main circuit min max	mm² mm °C °C	1 PH2 IP20 1
Power terminal protection a Cable stripping lenght Ambient conditions	Flexible with insulated spade lug conductor section according to IEC/EN 60529 Operating temperature Storage temperature	min main circuit min max min	mm² mm °C °C °C	1 PH2 IP20 1
Power terminal protection a Cable stripping lenght Ambient conditions	Flexible with insulated spade lug conductor section according to IEC/EN 60529 Operating temperature	main circuit min max min max	mm² "C "C "C	1 PH2 IP20 1 -20 60 -50 80
Power terminal protection a Cable stripping lenght Ambient conditions	Flexible with insulated spade lug conductor section according to IEC/EN 60529 Operating temperature Storage temperature	min main circuit min max min	mm² mm °C °C °C	1 PH2 IP20 1



ENERGY AND AUTOMATION

Tap Conductor Protection

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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
	at 600V	kA	30
	protection		100A class J
Group Motor Installation			
	at 240V	kA	30
	at 480V	kA	30
	at 600V	kA	30
	protection		100A class J

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 Motor (Controllers (Type E) Short-circuit cur UL508 / UL 60947-4-1 Manual Self Protected Combination Motor (Controllers (Type E) Short-circuit cur UL508 / UL 60947-4-1 Manual Self Protected Combination Motor (Controllers (Type E) Short-circuit cur

at 480Y/277V

at 600Y/347V

kΑ

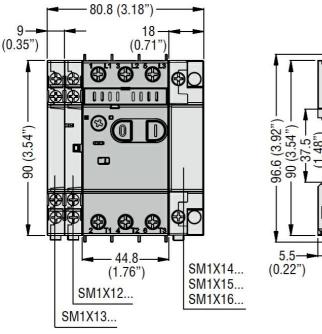
kΑ

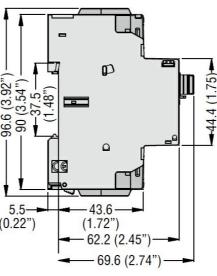
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	0L306 / OL 00947-4-1 Maridal Sell Flotected Combination Mc		oliela(d ype L) Short-circuit cui
Maximum UL/CSA horsepower ratings single-phase			_
	at 110V-120V	hp	1/2
	at 220V-240V	hp	1.5
Maximum UL/CSA horsepower ratings three-phase, 3-pole			
	at 200V-208V	hp	2
	at 220V-240V	hp	3
	at 440V-480V	hp	5
	at 550V-600V	hp	7.5

Dimensions

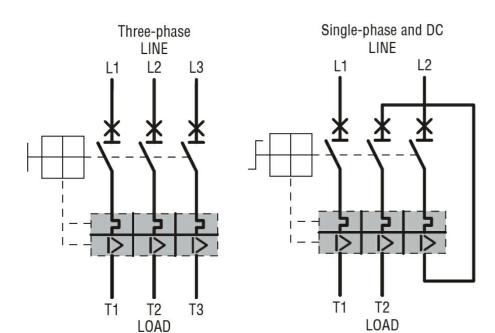




Wiring diagrams



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