

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



Product type designation				Motor protective circu breaker SM1P
Electrical features				OWT
Number of poles			nr.	3
Magnetic protection				yes
Thermal protection				yes
Phase failure detection				Yes
Rated insulation voltage U	li IEC/EN		V	690
Rated impulse withstand v			kV	6
Rated frequency	3.75		Hz	50/60
hermal trip adjustment ra	unge			46.5
Rated current (In)			Α	6.5
/lagnetic tripping				13 x ln
otal power dissipation			W	1.99
	urrent breaking capacity (lcs) at AC		**	1.00
pperational short-circuit of	arrent breaking capacity (ics) at AC	230V	kA	100
		400V	kA	100
		400 V 440 V	kA kA	100
		500V	kA	100
1	and head the analysis of AO	690V	kA	3
laxımum short-circuit curi	rent breaking capacity (Icu) at AC			
		230V	kA	100
		400V	kA	100
		440V	kA	100
		500V	kA	100
		690V	kA	3
ripping class				10A
C Utilization category				A
perations				
Mechanical life			cycles	100000
Electrical life			cycles	100000
Mechanical features				
Fightening torque for term	inals			
ignoring torquo for torin		min	Nm	2.5
		max	Nm	3
			lbin	1.8
		min		
Annual and Cultura at an				
lax number of wires simil		max	Ibin	2.2
	ultaneously connectable	max	lbin nr.	2.2
		max		
	ultaneously connectable AWG/Kcmil			2
		max min		16
	AWG/Kcmil			2
		min		16
	AWG/Kcmil	min		16
	AWG/Kcmil	min max	nr.	16 8
	AWG/Kcmil Flexible w/o lug conductor section	min max min	nr. mm²	16 8
	AWG/Kcmil Flexible w/o lug conductor section Flexible c/w lug conductor section	min max	nr.	16 8
	AWG/Kcmil Flexible w/o lug conductor section	min max min min	nr. mm² mm²	16 8 1
Conductor section	AWG/Kcmil Flexible w/o lug conductor section Flexible c/w lug conductor section	min max min	nr. mm²	16 8 1
Conductor section	AWG/Kcmil Flexible w/o lug conductor section Flexible c/w lug conductor section Flexible with insulated spade lug conductor section	min max min min	nr. mm² mm²	16 8 1 1 1 PH2
Conductor section Grewdriver Tower terminal protection	AWG/Kcmil Flexible w/o lug conductor section Flexible c/w lug conductor section	min max min min	nr. mm² mm²	16 8 1
conductor section crewdriver ower terminal protection	AWG/Kcmil Flexible w/o lug conductor section Flexible c/w lug conductor section Flexible with insulated spade lug conductor section	min max min min	mm² mm² mm²	16 8 1 1 1 PH2 IP20
onductor section crewdriver ower terminal protection able stripping lenght	AWG/Kcmil Flexible w/o lug conductor section Flexible c/w lug conductor section Flexible with insulated spade lug conductor section	min max min min	nr. mm² mm²	16 8 1 1 1 PH2
crewdriver ower terminal protection able stripping lenght mbient conditions	AWG/Kcmil Flexible w/o lug conductor section Flexible c/w lug conductor section Flexible with insulated spade lug conductor section	min max min min	mm² mm² mm²	16 8 1 1 1 PH2 IP20
crewdriver lower terminal protection cable stripping lenght	AWG/Kcmil Flexible w/o lug conductor section Flexible c/w lug conductor section Flexible with insulated spade lug conductor section according to IEC/EN 60529	min max min min	mm² mm² mm²	16 8 1 1 1 PH2 IP20
crewdriver lower terminal protection cable stripping lenght	AWG/Kcmil Flexible w/o lug conductor section Flexible c/w lug conductor section Flexible with insulated spade lug conductor section	min max min min min	mm² mm² mm²	16 8 1 1 1 1 PH2 IP20
crewdriver lower terminal protection cable stripping lenght	AWG/Kcmil Flexible w/o lug conductor section Flexible c/w lug conductor section Flexible with insulated spade lug conductor section according to IEC/EN 60529	min max min min min min min min	mm² mm² mm²	2 16 8 1 1 1 1 PH2 IP20 1
conductor section corewdriver cover terminal protection cable stripping lenght mbient conditions	AWG/Kcmil Flexible w/o lug conductor section Flexible c/w lug conductor section Flexible with insulated spade lug conductor section according to IEC/EN 60529 Operating temperature	min max min min min	mm² mm² mm²	16 8 1 1 1 1 PH2 IP20
Conductor section Corewdriver Cower terminal protection Cable stripping lenght	AWG/Kcmil Flexible w/o lug conductor section Flexible c/w lug conductor section Flexible with insulated spade lug conductor section according to IEC/EN 60529	min max min min min min min min	mm² mm² mm²	2 16 8 1 1 1 1 PH2 IP20 1
conductor section corewdriver cover terminal protection cable stripping lenght mbient conditions	AWG/Kcmil Flexible w/o lug conductor section Flexible c/w lug conductor section Flexible with insulated spade lug conductor section according to IEC/EN 60529 Operating temperature	min max min min min min min min	mm² mm² mm²	2 16 8 1 1 1 1 PH2 IP20 1
conductor section corewdriver cover terminal protection cable stripping lenght mbient conditions	AWG/Kcmil Flexible w/o lug conductor section Flexible c/w lug conductor section Flexible with insulated spade lug conductor section according to IEC/EN 60529 Operating temperature	min max min min min min min min min main circuit	mm² mm² mm² mm°	2 16 8 1 1 1 1 PH2 IP20 1
conductor section corewdriver cover terminal protection cable stripping lenght mbient conditions	AWG/Kcmil Flexible w/o lug conductor section Flexible c/w lug conductor section Flexible with insulated spade lug conductor section according to IEC/EN 60529 Operating temperature Storage temperature	min max min min min min min min main circuit	mm² mm² mm² c c c c c c c c c c c c c c c c c c c	2 16 8 1 1 1 1 PH2 IP20 1
conductor section corewdriver cover terminal protection cable stripping lenght mbient conditions	AWG/Kcmil Flexible w/o lug conductor section Flexible c/w lug conductor section Flexible with insulated spade lug conductor section according to IEC/EN 60529 Operating temperature	min max min min min min min min min min min main circuit	mm² mm² mm² c C c c c c c c c c c c c c c c c c c c	2 16 8 1 1 1 1 PH2 IP20 1 1 -20 60 -50 80
Conductor section Screwdriver	AWG/Kcmil Flexible w/o lug conductor section Flexible c/w lug conductor section Flexible with insulated spade lug conductor section according to IEC/EN 60529 Operating temperature Storage temperature	min max min min min min min min main circuit	mm² mm² mm² c c c c c c c c c c c c c c c c c c c	2 16 8 1 1 1 1 PH2 IP20 1

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

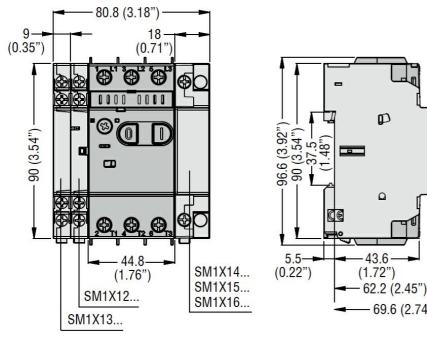
Operating position			
	normal		Vertical plan
	allowable		Any
Fixing			Screw / DIN rail 35mm
Weight		g	350
UL technical data			
UL508 / UL60947-4-1 Manual Motor Controller - Short circuit current			
Motor Disconnect			
	at 240V	kA	30
	at 480V	kA	30
	at 600V	kA	30
	protection		100A class J
Group Motor Installation			
	at 240V	kA	30
	at 480V	kA	30
	at 600V	kA	30
	protection		100A class J
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 Motor Controller (Type E) Short-circuit cur UL508 / UL 60947-4-1 Manual Self Protected Combination Motor IC/Introller5(Type E) Short-circuit cur UL508 / UL 60947-4-1 Manual Self Protected Combination Motor Controller (Type E) Short-circuit cur

Maximum UL/CSA horsepower ratings single-phase			
	at 110V-120V	hp	1/4
	at 220V-240V	hp	1/2
Maximum UL/CSA horsepower ratings three-phase, 3-pole			
	at 200V-208V	hp	1.5
	at 220V-240V	hp	1.5
	at 440V-480V	hp	3
	at 550V-600V	hp	5

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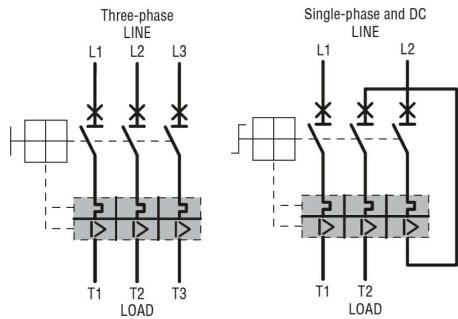
69.6 (2.74"



Wiring diagram

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Certifications and complian	nce
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