MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 10KA AT 400V, 24...32A



Product type designation				Motor protective circu breaker SM1P
Electrical features				OIVI II
Number of poles			nr.	3
Magnetic protection				yes
Thermal protection				yes
Phase failure detection				Yes
Rated insulation voltage U	Ji IEC/EN		V	690
Rated impulse withstand v			kV	6
Rated frequency			Hz	50/60
hermal trip adjustment ra	ange			2432
Rated current (In)			Α	32
Aagnetic tripping				13 x ln
otal power dissipation			W	4.42
	current breaking capacity (Ics) at AC		V V	7.72
perational short-circuit c	The it breaking capacity (ics) at AC	230V	kA	50
		400V	kA	5
		400 V 440 V	kA kA	5 5
		500V	kA	5
tandania alianda da da da		690V	kA	2
iaximum short-circuit cur	rrent breaking capacity (Icu) at AC			
		230V	kA	50
		400V	kA	10
		440V	kA	10
		500V	kA	10
		690V	kA	2
ripping class				10A
C Utilization category				A
perations				
Mechanical life			cycles	100000
Electrical life			cycles	100000
Mechanical features			·	
Fightening torque for term	ninals			
9		min	Nm	2.5
		max	Nm	3
		min	lbin	1.8
		max	lbin	2.2
Max number of wires simu	ultonogualy connectable	IIIax		
	ditarieously connectable		nr	2
Conductor section			nr.	2
			nr.	2
	AWG/Kcmil		nr.	
	AWG/Kcmil	min	nr.	16
		min max	nr.	
	AWG/Kcmil Flexible w/o lug conductor section		nr.	16
			nr. mm²	16
		max		16 8
	Flexible w/o lug conductor section	max		16 8
	Flexible w/o lug conductor section Flexible c/w lug conductor section	max min	mm²	16 8 1
	Flexible w/o lug conductor section	max min	mm²	16 8 1
Screwdriver	Flexible w/o lug conductor section Flexible c/w lug conductor section	max min min	mm²	16 8 1 1
	Flexible w/o lug conductor section Flexible c/w lug conductor section Flexible with insulated spade lug conductor section	max min min	mm²	16 8 1 1 1 PH2
ower terminal protection	Flexible w/o lug conductor section Flexible c/w lug conductor section	max min min	mm²	16 8 1 1
ower terminal protection	Flexible w/o lug conductor section Flexible c/w lug conductor section Flexible with insulated spade lug conductor section	max min min min	mm² mm² mm²	16 8 1 1 1 1 PH2 IP20
ower terminal protection able stripping lenght	Flexible w/o lug conductor section Flexible c/w lug conductor section Flexible with insulated spade lug conductor section	max min min	mm²	16 8 1 1 1 PH2
ower terminal protection able stripping lenght mbient conditions	Flexible w/o lug conductor section Flexible c/w lug conductor section Flexible with insulated spade lug conductor section	max min min min	mm² mm² mm²	16 8 1 1 1 1 PH2 IP20
ower terminal protection cable stripping lenght mbient conditions	Flexible w/o lug conductor section Flexible c/w lug conductor section Flexible with insulated spade lug conductor section according to IEC/EN 60529	max min min min	mm² mm² mm²	16 8 1 1 1 1 PH2 IP20
ower terminal protection cable stripping lenght mbient conditions	Flexible w/o lug conductor section Flexible c/w lug conductor section Flexible with insulated spade lug conductor section	max min min min min	mm² mm² mm²	16 8 1 1 1 1 PH2 IP20
ower terminal protection cable stripping lenght mbient conditions	Flexible w/o lug conductor section Flexible c/w lug conductor section Flexible with insulated spade lug conductor section according to IEC/EN 60529	max min min min min min	mm² mm² mm²	16 8 1 1 1 1 PH2 IP20 1
Power terminal protection Cable stripping lenght ambient conditions	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	max min min min min	mm² mm² mm²	16 8 1 1 1 1 PH2 IP20
ower terminal protection cable stripping lenght mbient conditions	Flexible w/o lug conductor section Flexible c/w lug conductor section Flexible with insulated spade lug conductor section according to IEC/EN 60529	max min min min min min	mm² mm² mm² mm	16 8 1 1 1 1 PH2 IP20 1
ower terminal protection cable stripping lenght mbient conditions	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	max min min min min min	mm² mm² mm² mm °C °C	16 8 1 1 1 1 PH2 IP20 1
ower terminal protection cable stripping lenght mbient conditions	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	max min min min min min main circuit	mm² mm² mm² mm	16 8 1 1 1 1 PH2 IP20 1
ower terminal protection cable stripping lenght mbient conditions	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	max min min min min min min main circuit min max min	mm² mm² mm² mm °C °C	16 8 1 1 1 1 PH2 IP20 1
Screwdriver Power terminal protection Cable stripping lenght Indicate conditions Temperature	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	max min min min min min min main circuit min max min	mm² mm² mm² mm °C °C	16 8 1 1 1 1 PH2 IP20 1
Power terminal protection Cable stripping lenght ambient conditions	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	max min min min min min min main circuit min max min max	mm² mm² mm² mm °C °C °C	16 8 1 1 1 1 PH2 IP20 1

ENERGY AND AUTOMATION

MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 10KA AT 400V,

at 440V-480V

at 550V-600V

hp

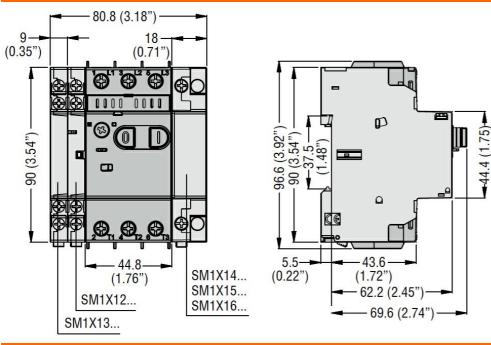
hp

20

30

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	5
at 480V	kA	5
protection		Fuse or CB
Group Motor Installation		
at 240V	kA	5
at 480V	kA	5
protection		Fuse or CB
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 Ø ontr	oller5(Type E) Short-circuit cu
UL508 / UL 60947-4-1 Manual Self Protected Combination	Motor (2 ontr	roller5(Type E) Short-circuit cu
UL508 / UL 60947-4-1 Manual Self Protected Combination	Motor Ø ontr	roller5(Type E) Short-circuit cu
Maximum UL/CSA horsepower ratings single-phase		
at 110V-120V	hp	2
at 220V-240V	hp	5
Maximum UL/CSA horsepower ratings three-phase, 3-pole		
at 200V-208V	hp	10
at 220V-240V	hp	10

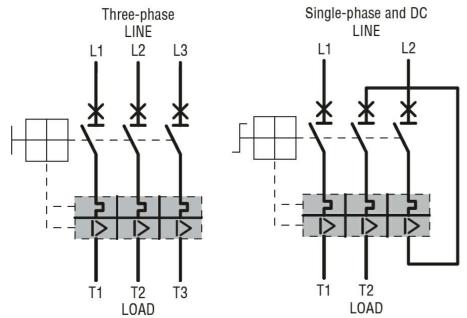
Dimensions



Wiring diagrams

MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 10KA AT 400V,

ENERGY AND AUTOMATION



Certifications and compliance	e
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