

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

4...6.5A



			1	8 8 8 8
Product designation				Motor protective circuit breaker
Product type designati	ion			SM1P
Electrical features				-
Number of poles			nr.	3
Magnetic protection				yes
Thermal protection				yes
Phase failure detection				Yes
Rated insulation voltag	je Ui IEC/EN		V	690
Rated impulse withstar	nd voltage Uimp		kV	6
Rated frequency			Hz	50/60
Thermal trip adjustmer	nt range			46.5
Rated current (In)			А	6.5
Magnetic tripping				13 x In
Total power dissipation	1		W	1.99
	it current breaking capacity (Ics) at AC			
•	3 1 3 ()	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		0001	10.1	10A
IEC Utilization categor	M			A
Operations	y			~
Mechanical life			cycles	100000
Electrical life			-	100000
Mechanical features			cycles	100000
	orminalo			
Tightening torque for to	erminals		Nina	0.5
		min	Nm	2.5
		max	Nm	3
		min	Ibin	1.8
		max	Ibin	2.2
	simultaneously connectable		nr.	2
Conductor section				
	AWG/Kcmil			
		min		16
		max		8
	Flexible w/o lug conductor section			
				4

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mm²

min

1



electric

ENERGY AND AUTOMATION

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	Flexible c/w lug conductor section			
		min	mm²	1
	Flexible with insulated spade lug conductor section			
		min	mm²	1
Screwdriver				PH2
	ection according to IEC/EN 60529			IP20
Cable stripping lengl	ht			
Ambient conditions		main circuit	mm	1
Ambient conditions Temperature				
remperature	Operating temperature			
	Operating temperature	min	°C	-20
		max	°Č	60
	Storage temperature		-	
	Ŭ Î	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 Screw / DIN rail
Fixing				35mm
Weight			g	350
UL technical data			5	
Motor Disconnect				
		at 240V	kA	30
		at 480V	kA	30
		at 600V	kA	30
	-	protection		100A class J
Group Motor Installa	tion			
		at 240V	kA kA	30
		at 480V at 600V	kA kA	30 30
		protection	K/4	30 100A class J
Tap Conductor Prote	ection	P.010011011		100/10/0000
		at 480Y/277V	kA	50
		at 600Y/347V	kA	50
UL508 / UL 60947-4	-1 Manual Self Protected Combination Motor Controller (Type E) Short o		
	· · · · · · · · · · · · · · · · · · ·	at 240V	kA	50
		at 480Y/277V	kA	50
		at 600Y/347V	kA	50
Maximum UL/CSA h	orsepower ratings single-phase			
		110V-120V	HP	1/4
Marian a Lill (00 A l		220V-240V	HP	1/2
iviaximum UL/CSA h	orsepower ratings three-phase, 3-pole	2001/ 2021/		1 5
		200V-208V 220V-240V	HP HP	1.5 1.5
		220V-240V 440V-480V	HP	1.5 3
		440V-480V 550V-600V	HP	5
Dimensions				<u> </u>

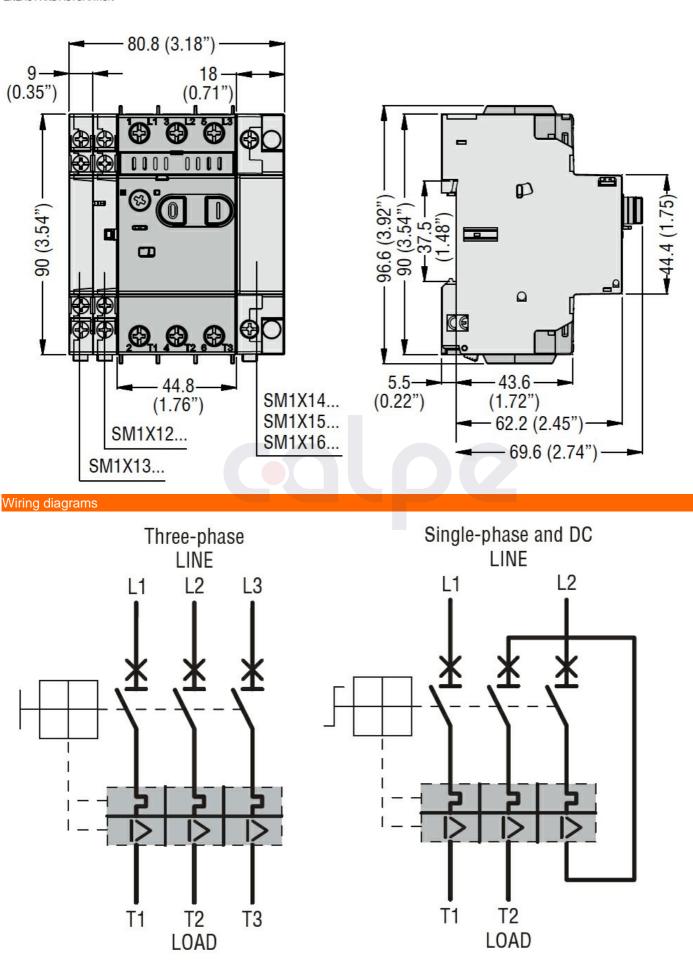
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RAILWAY

Certifications and compliance

SM1P0650

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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



