

MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 100KA AT 400V, 0.16...0.25A



			9 9 9
Product designation			Motor protective circuit breaker SM1P
Product type designation Electrical features			5MTP
Number of poles		pr	3
Magnetic protection		nr.	
Thermal protection			yes
Phase failure detection			yes
		V	Yes
Rated insulation voltage Ui IEC/EN			690
Rated impulse withstand voltage Uimp		kV	6
Rated frequency		Hz	50/60
Thermal trip adjustment range			0.160.25
Rated current (In)		A	0.25
Magnetic tripping		14/	10 x ln
Total power dissipation		W	1.97
Operational short-circuit current breaking capacity (Ics) at AC			
	230V	kA	100
	400V	kA	100
	440V	kA	100
	500V	kA	100
	690V	kA	100
Maximum short-circuit current breaking capacity (Icu) at AC	/		
	230V	kA	100
	400V	kA	100
	440V	kA	100
	500V	kA	100
	690V	kA	100
Tripping class			10A
IEC Utilization category			A
Operations			100000
Mechanical life		cycles	100000
Electrical life		cycles	100000
Mechanical features			
Tightening torque for terminals			
	min	Nm	2.5
	max	Nm	3
	min	Ibin	1.8
	max	Ibin	2.2
Max number of wires simultaneously connectable		nr.	2
Conductor section			
AWG/Kcmil			
	min		16
	max		8

Calpe.nl + 31 (0)342 - 45 15 44 Barneveld

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding

1

mm²



electric

ENERGY AND AUTOMATION

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

0.16...0.25A

	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 leng				11 20
Cable stripping leng		main circuit	mm	1
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-20
		max	°C	60
	Storage temperature			
		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
Fixing				Screw / DIN rai 35mm
Weight			g	280
UL technical data			5	
Motor Disconnect				
		at 240V	kA	50
		at 480V	kA	50
		at 600V	kA	50
		protection	101	Fuse or CB
Group Motor Installa	ation	protocilion		1 400 01 00
		at 240V	kA	50
		at 240V at 480V	kA kA	50
		at 480V at 600V	кА kA	50 50
			<u>к</u> л	Fuse or CB
Ton Conductor Drot	action	protection		
Tap Conductor Prot		at 400\//077\/	L. A	50
		at 480Y/277V	kA	50
		at 600Y/347V	kA	50
UL508 / UL 60947-4	I-1 Manual Self Protected Combination Motor Controller			
		at 240V	kA	50
		at 480Y/277V	kA	50
		at 600Y/347V	kA	50
Maximum UL/CSA h	norsepower ratings single-phase			
		110V-120V	HP	-
		220V-240V	HP	-
Maximum UL/CSA h	norsepower ratings three-phase, 3-pole			
		200V-208V	HP	-
		220V-240V	HP	-
		440V-480V	HP	-
		550V-600V	HP	-
Dimensions				

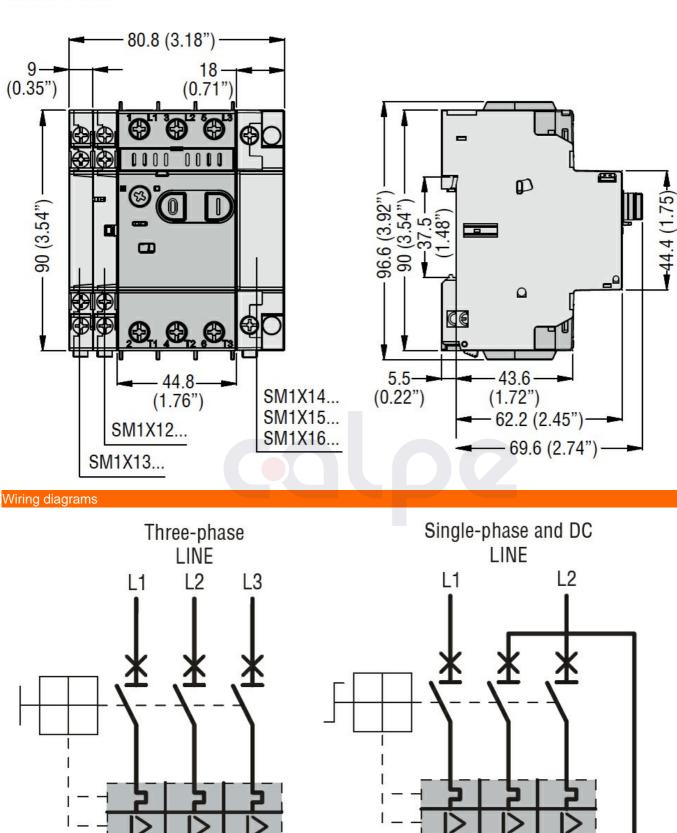
Calpe.nl + 31 (0)342 - 45 15 44 Barneveld

SM1P0025

2 / 4 CALPE.NL



MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 100KA AT 400V, 0.16...0.25A



Certifications and compliance

T1

T2

LOAD

Τ3

SM1P0025

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding

T2

LOAD

T1





MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 100KA AT 400V, 0.16...0.25A

Certifications

Centifications	
	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



