



Product designation			Motor protection
•			circuit breaker
Product type designation			SM1P
Electrical features		Nie	3
Number of poles		Nr.	
Magnetic protection			yes
Thermal protection			yes
Phase failure detection		\ <i>\</i>	yes
Rated insulation voltage Ui IEC/EN		V	690
Rated impulse withstand voltage Uimp		kV	6
Rated frequency		Hz	50/60
Thermal trip adjustment range			46.5
Rated current (In)		A	6.5
Magnetic tripping			13 x ln
Power dissipation per pole			
	min	W	0.75
	max	W	1.99
Operational short-circuit current breaking capacity (Ics) at AC			
	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			10A
IEC Utilization category			А
Operations			
Mechanical life		cycles	100000
Electrical life		cycles	100000
Mechanical features			
Tightening torque for terminals			
	min	Nm	2.5
	max	Nm	3
	min	Ibin	22
	max	Ibin	26.5
Max number of wires simultaneously connectable		Nr.	2
Conductor section			
AWG/Kcmil			
	min		16
	max		8

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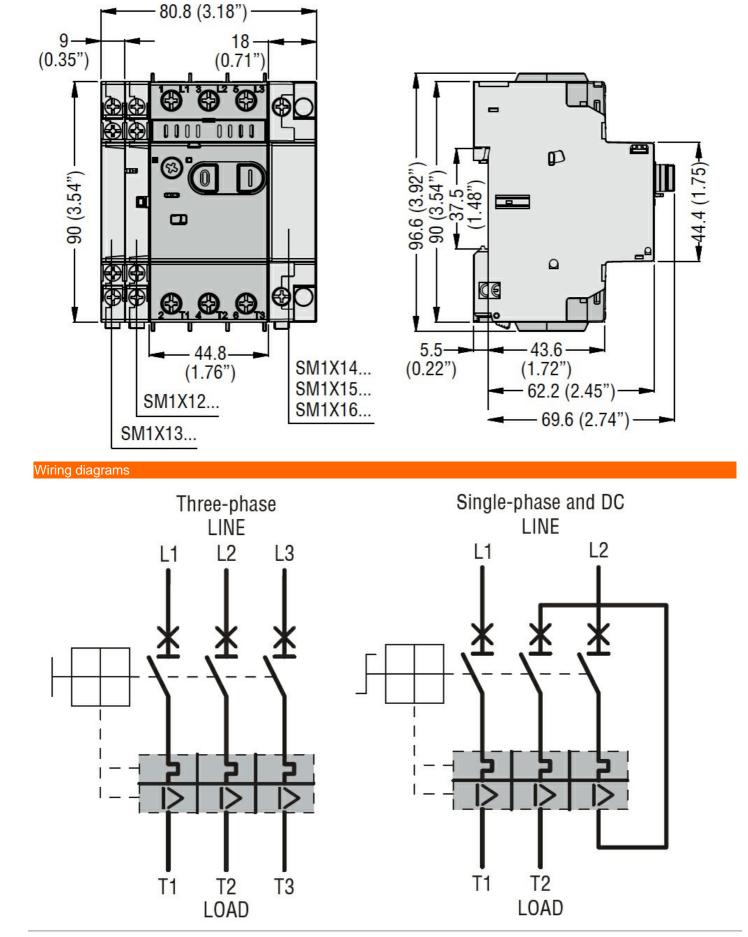


	Flexible w/o lug conductor section			
		min	mm²	1
		max	mm²	10
	Flexible c/w lug conductor section			
		min	mm²	1
		max	mm²	10
	Flexible with insulated spade lug conductor section			
		min	mm²	1
		max	mm²	10
Screwdriver				PH2
Power terminal pr	otection according to IEC/EN 60529			IP20 on front
Cable stripping ler	nght			
		main circuit	mm	12
Ambient condition	S			
emperature				
	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 positior)			
		normal		Vertical plan
		allowable		Any
Fixing				Screw / DIN rai 35mm
Weight			g	350
JL technical data			Ŭ	
Motor Disconnect				
		at 240V	kA	30
NOTOR DISCONNECT		at 240V at 480V	kA kA	30 30
NOIDI DISCONNECI		at 480V	kA	30
NOTO DISCONNECT		at 480V at 600V		30 30
		at 480V	kA	30
		at 480V at 600V protection	kA kA	30 30 100A class J
		at 480V at 600V protection at 240V	kA kA kA	30 30 100A class J 30
		at 480V at 600V protection at 240V at 480V	kA kA kA kA	30 30 100A class J 30 30
		at 480V at 600V protection at 240V at 480V at 600V	kA kA kA	30 30 100A class J 30 30 30
Group Motor Insta	Illation	at 480V at 600V protection at 240V at 480V	kA kA kA kA	30 30 100A class J 30 30
Group Motor Insta	Ilation	at 480V at 600V protection at 240V at 240V at 480V at 600V protection	kA kA kA kA kA	30 30 100A class J 30 30 30 100A class J
Group Motor Insta	Illation	at 480V at 600V protection at 240V at 240V at 480V protection at 480Y/277V	kA kA kA kA kA	30 30 100A class J 30 30 30 100A class J 50
Group Motor Insta	Illation	at 480V at 600V protection at 240V at 240V at 480V at 600V protection	kA kA kA kA kA	30 30 100A class J 30 30 30 100A class J
Group Motor Insta	Illation	at 480V at 600V protection at 240V at 480V at 600V protection at 480Y/277V at 600Y/347V	kA kA kA kA kA kA	30 30 100A class J 30 30 30 100A class J 50 50
Group Motor Insta	Illation	at 480V at 600V protection at 240V at 480V at 600V protection at 480Y/277V at 600Y/347V 110V-120V	kA kA kA kA kA kA HP	30 30 100A class J 30 30 30 100A class J 50 50 1/4
Group Motor Insta Tap Conductor Pr Maximum UL/CSA	Illation otection A horsepower ratings single-phase	at 480V at 600V protection at 240V at 480V at 600V protection at 480Y/277V at 600Y/347V	kA kA kA kA kA kA	30 30 100A class J 30 30 30 100A class J 50 50
Group Motor Insta Fap Conductor Pr Maximum UL/CSA	Illation	at 480V at 600V protection at 240V at 480V at 600V protection at 480Y/277V at 600Y/347V 110V-120V 220V-240V	kA kA kA kA kA kA HP HP	30 30 100A class J 30 30 30 100A class J 50 50 1/4 1/2
Group Motor Insta Fap Conductor Pr Maximum UL/CSA	Illation otection A horsepower ratings single-phase	at 480V at 600V protection at 240V at 480V at 600V protection at 480Y/277V at 600Y/347V 110V-120V 220V-240V 200V-208V	kA kA kA kA kA HP HP	30 30 100A class J 30 30 30 100A class J 50 50 1/4 1/2 1.5
Group Motor Insta Tap Conductor Pr Maximum UL/CSA	Illation otection A horsepower ratings single-phase	at 480V at 600V protection at 240V at 480V at 600V protection at 480Y/277V at 600Y/347V 110V-120V 220V-240V 200V-208V 220V-240V	kA kA kA kA kA HP HP HP	30 30 100A class J 30 30 30 100A class J 50 50 1/4 1/2 1.5 1.5
Group Motor Insta Tap Conductor Pr Maximum UL/CSA	Illation otection A horsepower ratings single-phase	at 480V at 600V protection at 240V at 480V at 600V protection at 480Y/277V at 600Y/347V 110V-120V 220V-240V 200V-208V	kA kA kA kA kA HP HP	30 30 100A class J 30 30 30 100A class J 50 50 1/4 1/2 1.5

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SM1P0650 DISJONCTEUR/DÉMARREUR DE MOTEUR SM1P 4-6,5A





Dimensions



Certifications and compliance
Certifications
CSA C22.2 n° 14
IEC/EN 60947-1
IEC/EN 60947-2
IEC/EN 60947-2
IEC/EN 60947-4-1
UL508
Compliance
CULus
EAC
ETIM classification
EC000074 -

ETIM 8.0

EC000074 -Motor protection circuit-breaker

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