

DISJONCTEUR/DÉMARREUR DE MOTEUR SM1P 1,6-2,5A



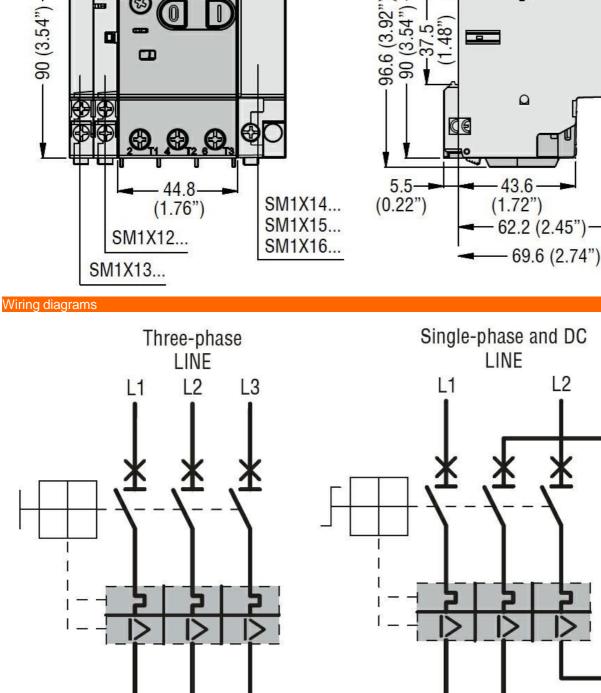
Motor protection Product designation circuit breaker Product type designation SM1P Electrical features Number of poles Nr. 3 Magnetic protection yes Thermal protection yes Phase failure detection yes Rated insulation voltage Ui IEC/EN V 690 Rated impulse withstand voltage Uimp kV 6 Rated frequency Hz 50/60 Thermal trip adjustment range 1.6...2.5 Rated current (In) А 2.5 13 x In Magnetic tripping Power dissipation per pole W 0.67 min W 1.63 max Operational short-circuit current breaking capacity (Ics) at AC 230V kΑ 100 400V kΑ 100 440V kΑ 100 500V kΑ 100 690V kΑ 3 Maximum short-circuit current breaking capacity (Icu) at AC 230V kΑ 100 400V kΑ 100 440V kΑ 100 500V kΑ 100 690V kΑ 3 10A Tripping class IEC Utilization category A Operations Mechanical life 100000 cycles Electrical life cycles 100000 Mechanical features Tightening torque for terminals min Nm 2.5 Nm 3 max lbin 22 min max lbin 26.5 Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil min 16

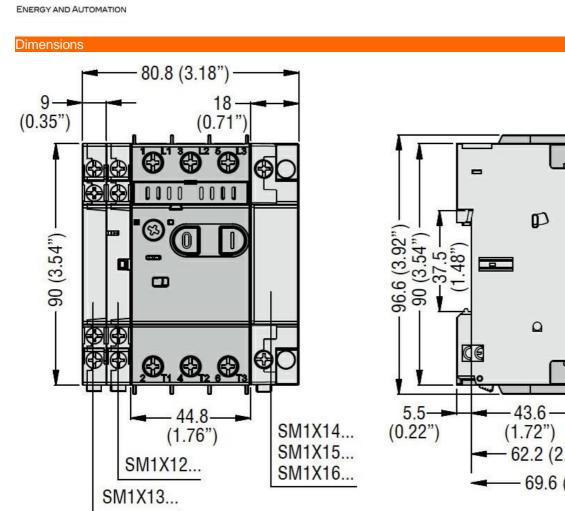
8

max



	Elevible w/o lug conductor section			
	Flexible w/o lug conductor section	min	mm²	1
		max	mm²	10
	Flexible c/w lug conductor section	max		10
		min	mm²	1
		max	mm²	10
	Flexible with insulated spade lug conductor section	on		
		min	mm²	1
		max	mm²	10
Screwdriver				PH2
Power terminal protec	tion according to IEC/EN 60529			IP20 on front
Cable stripping lenght				
		main circuit	mm	12
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-20
		max	°C	+60
	Storage temperature			
		min	°C	-50
	0	max	°C	+80
	Compensation temperature		^	
		min	°C	-20
Max altitude		max	°C	+50
			m	3000
Operating position		normal		Vertical plan
		normal allowable		Vertical plan
		allowable		Any Screw / DIN rail
Fixing				35mm
Weight			g	350
UL technical data			9	000
Motor Disconnect				
		at 240V	kA	30
		at 480V	kA	30
		at 600V	kA	30
		protection		100A class J
Group Motor Installatio	n	-		
		at 240V	kA	30
		at 480V	kA	30
		at 600V	kA	30
		protection		100A class J
Tap Conductor Protect	tion			
		at 480Y/277V	kA	50
		at 600Y/347V	kA	50
Maximum UL/CSA hor	sepower ratings single-phase			
		110V-120V	HP	-
		220V-240V	HP	1/6
Maximum UL/CSA hor	sepower ratings three-phase, 3-pole			
		200V-208V	HP	1/2
		220V-240V	HP	1/2
		440V-480V	HP	1
		550V-600V	HP	1.5





ova electric

-

_Q

■44.4 (1.75)

3/



 Certifications and compliance

 Certifications

 CSA C22.2 n° 14

 IEC/EN 60947-1

 IEC/EN 60947-2

 IEC/EN 60947-4-1

 UL508

 Compliance

 cULus

 EAC

ETIM 8.0

EC000074 -



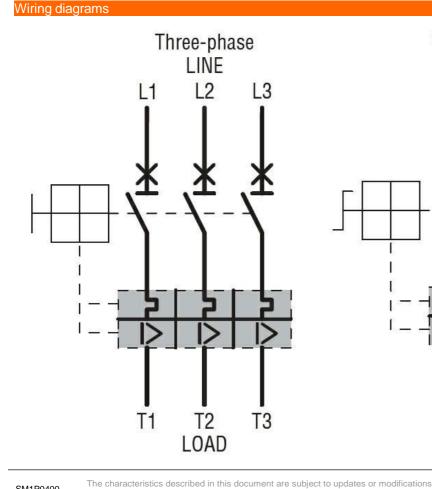
DISJONCTEUR/DÉMARREUR DE MOTEUR SM1P 2,5-4A

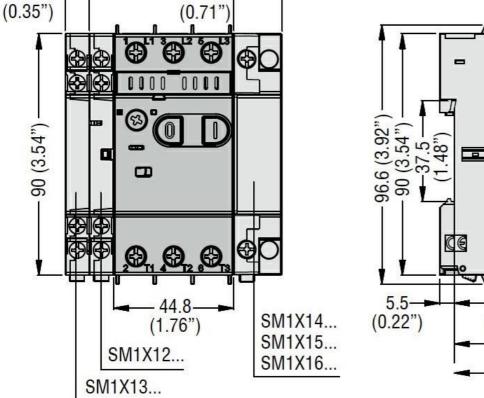


Product designation			Motor protection
Product type designation			circuit breaker SM1P
Electrical features			-
Number of poles		Nr.	3
Magnetic protection			yes
Thermal protection			yes
Phase failure detection			yes
Rated insulation voltage Ui IEC/EN		V	690
Rated impulse withstand voltage Uimp		kV	6
Rated frequency		Hz	50/60
Thermal trip adjustment range			2.54
Rated current (In)		А	4
Magnetic tripping			13 x ln
Power dissipation per pole			
	min	W	0.90
	max	W	2.29
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			A
Operations			
Mechanical life		cycles	100000
Electrical life		cycles	100000
Mechanical features			
Tightening torque for terminals			
	min	Nm	2.5
	max	Nm	3
	min	lbin	22
	max	lbin	26.5
Max number of wires simultaneously connectable		Nr.	2
Conductor section			
AWG/Kcmil			
	min		16
	max		8



E	lexible w/o lug conductor section			
E.	IEVINE MALING CONTRACTOR SECTION	min	mm²	1
		max	mm²	10
F	lexible c/w lug conductor section			
	5	min	mm²	1
		max	mm²	10
F	lexible with insulated spade lug conductor sec	tion		
		min	mm²	1
		max	mm²	10
Screwdriver				PH2
	according to IEC/EN 60529			IP20 on front
Cable stripping lenght				
		main circuit	mm	12
Ambient conditions				
Temperature				
0	Operating temperature	min	°C	20
		min	℃ ℃	-20 +60
c	torage temperature	max	U	TUU
5	torage temperature	min	°C	-50
		max	°C	-50 +80
<u> </u>	Compensation temperature	IIIdA	0	100
Ŭ		min	°C	-20
		max	°Č	+50
Max altitude			m	3000
Operating position				
- p		normal		Vertical plan
		allowable		Any
Fixing				Screw / DIN rail
-				35mm
Weight			g	350
UL technical data Motor Disconnect				
MOIOT DISCONNECI		at 240 V	LA	20
		at 240V at 480V	kA kA	30 30
		at 600V	кд kA	30
		protection	N-T	100A class J
Group Motor Installation		protocilon		100/10/00/00
		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
Maximum UL/CSA horsep	oower ratings single-phase			
		110V-120V	HP	1/8
		220V-240V	HP	1/3
Maximum UL/CSA horsep	oower ratings three-phase, 3-pole			
		200V-208V	HP	3/4
		220V-240V	HP	3/4
				0
		440V-480V	HP	2 3





ova electric

Dimensions

9



80.8 (3.18")

18

(0.71)

4/

69.6 (2.74") Single-phase and DC LINE L2 L1

-

_Q

■44.4 (1.75)

D

0

-43.6

(1.72")

62.2 (2.45")



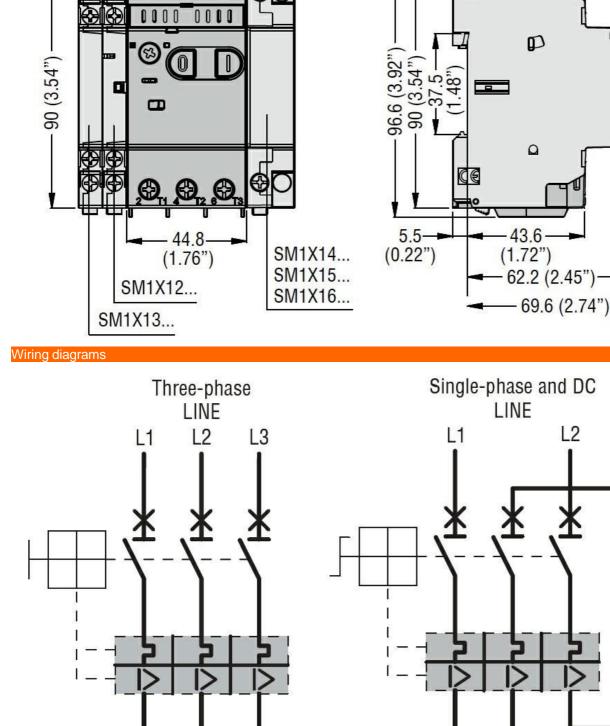
DISJONCTEUR/DÉMARREUR DE MOTEUR SM1P 4-6,5A



Product designation			Motor protection
Product type designation			circuit breaker SM1P
Electrical features			OMIT
Number of poles		Nr.	3
Magnetic protection			yes
Thermal protection			yes
Phase failure detection			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)		Α	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	lbin	22
	max	lbin	26.5
Max number of wires simultaneously connectable		Nr.	2
Conductor section			
AWG/Kcmil			
	min		16
	max		8



	Elevible w/o lug conductor soction			
	Flexible w/o lug conductor section	min	mm²	1
		max	mm²	10
	Flexible c/w lug conductor section	max		10
		min	mm²	1
		max	mm²	10
	Flexible with insulated spade lug conductor secti	ion		
		min	mm²	1
		max	mm²	10
Screwdriver				PH2
	on according to IEC/EN 60529			IP20 on front
Cable stripping lenght				
		main circuit	mm	12
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C °°	-20
	Storage temperature	max	°C	+60
	Storage temperature	min	°C	-50
		min max	℃ ℃	-50 +80
	Compensation temperature	IIIdX	C	+00
	Compensation temperature	min	°C	-20
		max	°Č	+50
Max altitude		max	m	3000
Operating position				
- p		normal		Vertical plan
		allowable		Any
Fixing				Screw / DIN rail
Fixing				35mm
Weight			g	350
UL technical data				
Motor Disconnect				
		at 240V	kA	30
		at 480V	kA	30
		at 600V	kA	30 1004 alaga l
Oroup Motor Installation		protection		100A class J
Group Motor Installation		at 240V	L۸	20
		at 480V	kA kA	30 30
		at 600V	кА kA	30 30
		protection	~~	30 100A class J
Tap Conductor Protectio	n	protection		100/100330
		at 480Y/277V	kA	50
		at 600Y/347V	kA	50 50
Maximum UL/CSA horse	epower ratings single-phase			
		110V-120V	HP	1/4
		220V-240V	HP	1/2
	epower ratings three-phase, 3-pole			-
	,			1.5
		200V-208V	HP	1.5
		200V-208V 220V-240V	нР НР	
				1.5 1.5 3



Dimensions

9

(0.35")



80.8 (3.18")

18

(0.71)

-

_Q

■44.4 (1.75)



 Certifications and compliance

 Certifications

 CSA C22.2 n° 14

 IEC/EN 60947-1

 IEC/EN 60947-2

 IEC/EN 60947-4-1

 UL508

 Compliance

 cULus

 EAC

ETIM 8.0

EC000074 -Motor protection circuit-breaker