



Product type designation	Product designation			Motor protection circuit breaker
Number of poles	Product type designation			
Magnetic protection	Electrical features			
Thermal protection	Number of poles		Nr.	3
Phase failure detection	Magnetic protection			yes
Rated insulation voltage Ui IEC/EN	Thermal protection			yes
Rated impulse withstand voltage Uimp Rated frequency Hz 50/60	Phase failure detection			yes
Rated frequency	Rated insulation voltage Ui IEC/EN		V	690
Thermal trip adjustment range			kV	6
Rated current (In)	Rated frequency		Hz	50/60
Magnetic tripping	Thermal trip adjustment range			11.6
Power dissipation per pole	Rated current (In)		Α	1.6
Power dissipation per pole	Magnetic tripping			13 x ln
Max W 2.30				
Operational short-circuit current breaking capacity (Ics) at AC		min	W	0.90
230V KA 100 440V KA 100 440V KA 100 500V KA 100 690V KA		max	W	2.30
A00V KA 100 440V KA 100 500V KA	Operational short-circuit current breaking capacity (Ics) at AC			
Maximum short-circuit current breaking capacity (Icu) at AC 230V kA 100 690V kA 100 69		230V	kA	100
S00V KA 100 690V KA		400V	kA	100
Maximum short-circuit current breaking capacity (Icu) at AC		440V	kA	100
Maximum short-circuit current breaking capacity (Icu) at AC 230V kA 100 400V kA 100 440V kA 100 500V kA 100 Fripping 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		500V	kA	100
230V		690V	kA	100
A00V	Maximum short-circuit current breaking capacity (Icu) at AC			
Add V KA 100 500V kA 100 690V 60V		230V	kA	100
S00V kA 100 690V kA 100 100 690V kA 10		400V	kA	100
Conductor section Cond		440V	kA	100
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		500V	kA	100
IEC Utilization category		690V	kA	100
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				10A
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	IEC Utilization category			Α
Electrical life	Operations			
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 AWG/Kcmil min 16	Mechanical life		cycles	100000
Tightening torque for terminals min Nm 2.5 max Nm 3 min Ibin 22 max Ibin 26.5 Max number of wires simultaneously connectable Conductor section AWG/Kcmil min 16	Electrical life		cycles	100000
min Nm 2.5 max Nm 3 min lbin 22 max lbin 26.5				
max Nm 3 min Ibin 22 max Ibin 26.5 Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil min 16	Tightening torque for terminals			
min lbin 22 max lbin 26.5 Max number of wires simultaneously connectable Conductor section AWG/Kcmil min 16		min	Nm	2.5
Max number of wires simultaneously connectable Conductor section AWG/Kcmil min 16		max	Nm	
Max number of wires simultaneously connectable Conductor section AWG/Kcmil min 16		min	lbin	
Conductor section AWG/Kcmil min 16		max	lbin	26.5
AWG/Kcmil min 16	Max number of wires simultaneously connectable		Nr.	2
min 16	Conductor section			
	AWG/Kcmil			
max 8		min		
		max		8



DISJONCTEUR/DEWARREUR DE WIOTEUR SWITK 1-1,0/

	Flexible w/o lug conductor section			
	Flexible w/o lug conductor section	min	mm²	1
		max	mm²	10
	Flexible c/w lug conductor section	THOX		
	o o,ag coaacto. cocc	min	mm²	1
		max	mm²	10
	Flexible with insulated spade lug conductor se	ection		
		min	mm²	1
		max	mm²	10
Screwdriver				PH2
	tion according to IEC/EN 60529			IP20 on front
Cable stripping lenght				
		main circuit	mm	12
Ambient conditions				
Temperature	Operating temperature			
	Operating temperature	min	°C	-20
		max	°C	+60
	Storage temperature	παλ		100
	Clorago temporaturo	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 rail
Weight			<u> </u>	35mm 320
UL technical data			g	320
Motor Disconnect				
		at 480V	kA	50
		at 600V	kA	50
		protection		Fuse or CB
Group Motor Installation	n			
		at 480V	kA	50
		at 600V	kA	50
		protection		Fuse or CB
Tap Conductor Protect	ion		_	
		at 480Y/277V	kA	50
	M. JOKE A JOHN S. MAR.	at 600Y/347V	kA · · ·	50
UL508 / UL 60947-4-1	Manual Self Protected Combination Motor Con			
		at 240V at 480Y/277V	kA	65 65
		at 480Y/277V at 600Y/347V	kA kA	65 50
Maximum III /CSA bor	sepower ratings single-phase	at 0001/347 V	1 √√	30
Maximum GE/GGA HUI	copomor raungo omgio priaso	110V-120V	HP	_
		220V-240V	HP	1/10
Maximum UL/CSA hor	sepower ratings three-phase, 3-pole			
	, , , , , , , , , , , , , , , , , , , ,	200V-208V	HP	-
		220V-240V	HP	-



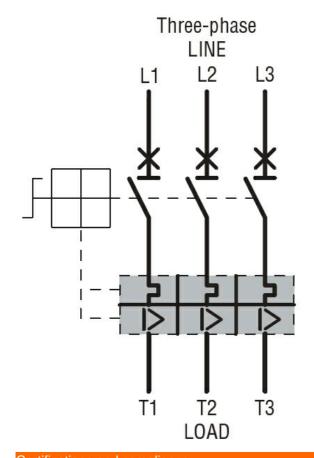
ENERGY AND AUTOMATION

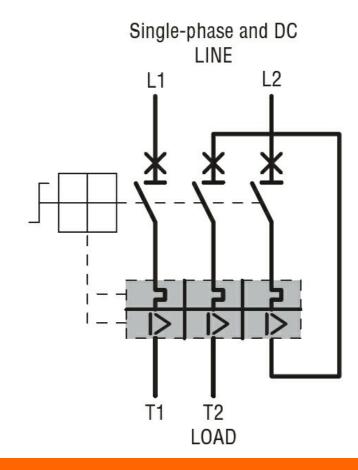
440V-480V HP 3/4 550V-600V HP 1

Dimensions 80.8 (3.18") -9 (0.35")D 96.6 (3.92") 90 (3.54") 90 (3.54") 0 49 (1.93")-5.5 - (0.22") - 44.8-(1.76") SM1X14... 74.5 (2.93) SM1X15... -85.6 (3.37") SM1X16... SM1X12... SM1X13...

Wiring diagrams







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 classification

ETIM 8.0

EC000074 -Motor protection circuit-breaker