



### Electrical features

Number of poles	Nr.	3	
Magnetic protection		yes	
Thermal protection		yes	
Phase failure detection		yes	
Rated insulation voltage $U_i$ IEC/EN	V	690	
Rated impulse withstand voltage $U_{imp}$	kV	6	
Rated frequency	Hz	50/60	
Thermal trip adjustment range		1.6...2.5	
Rated current ( $I_n$ )	A	2.5	
Magnetic tripping		13 x $I_n$	
Power dissipation per pole	min	W	0.67
	max	W	1.63

Operational short-circuit current breaking capacity ( $I_{cs}$ ) at AC	230V	kA	100
	400V	kA	100
	440V	kA	100
	500V	kA	100
	690V	kA	3

Maximum short-circuit current breaking capacity ( $I_{cu}$ ) 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

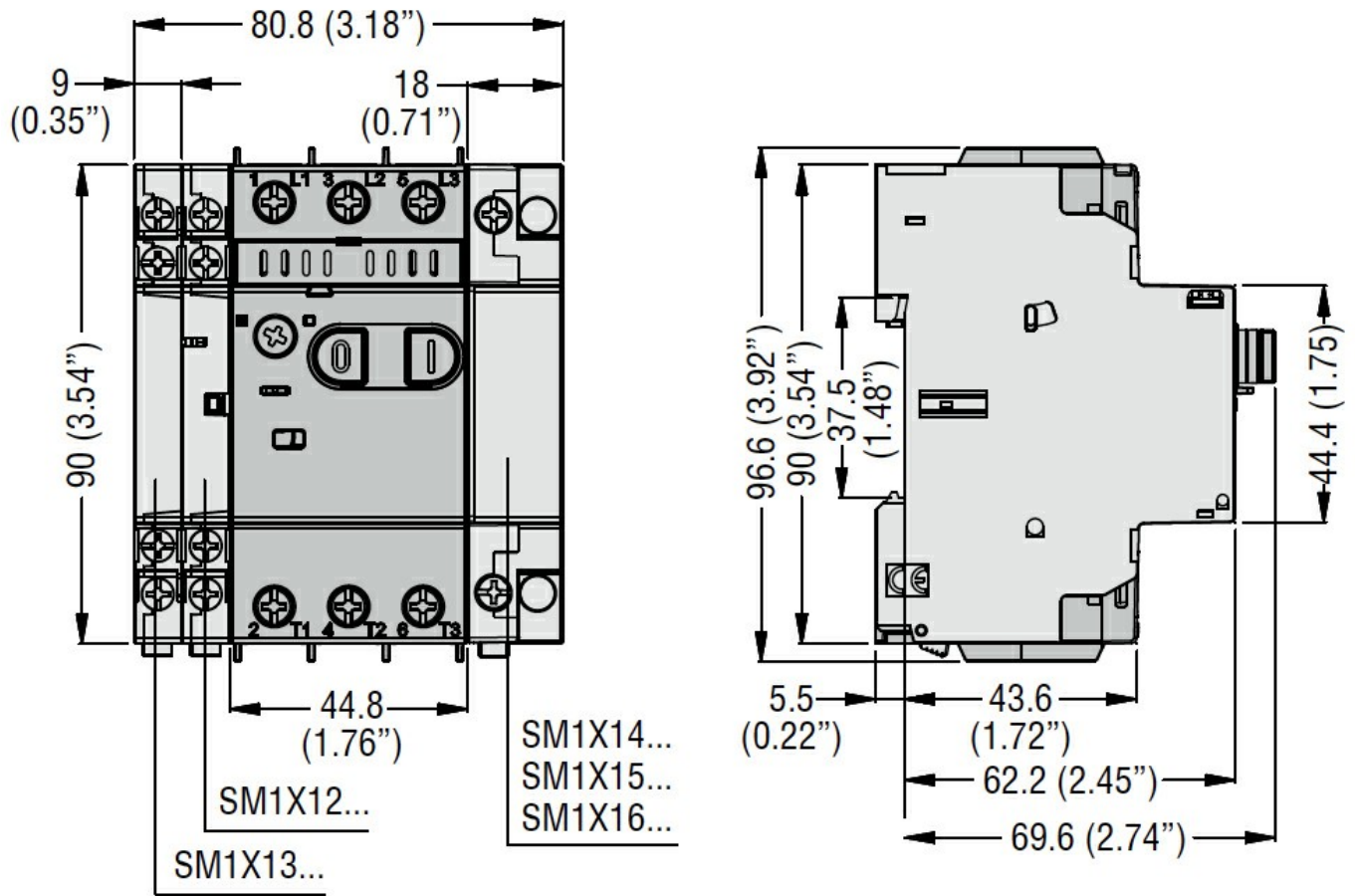
Tightening torque for terminals	min	Nm	2.5
	max	Nm	3
	min	lbin	22
	max	lbin	26.5

Max number of wires simultaneously connectable	Nr.	2
--	-----	---

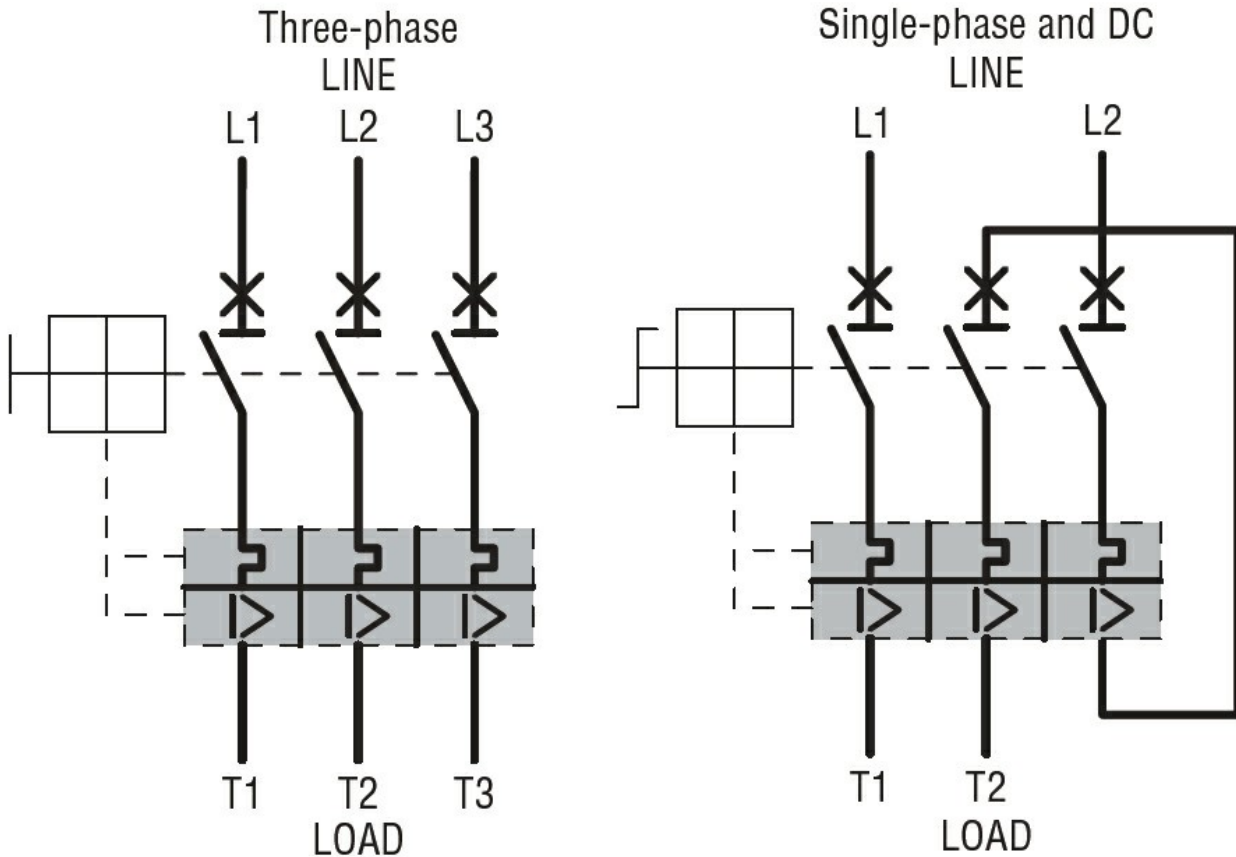
Conductor section	AWG/Kcmil	min	16
		max	8

Flexible w/o lug conductor section	min	mm <sup>2</sup>	1
	max	mm <sup>2</sup>	10

Flexible c/w lug conductor section	min	mm <sup>2</sup>	1
	max	mm <sup>2</sup>	10
Flexible with insulated spade lug conductor section	min	mm <sup>2</sup>	1
	max	mm <sup>2</sup>	10
Screwdriver			PH2
Power terminal protection according to IEC/EN 60529			IP20 on front
Cable stripping length	main circuit	mm	10
<b>Ambient conditions</b>			
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 allowable		Vertical plan Any
Fixing			Screw / DIN rail 35mm
Weight		g	350
<b>UL technical data</b>			
Motor Disconnect			
	at 240V	kA	30
	at 480V	kA	30
	at 600V	kA	30
	protection		100A class J
Group Motor Installation			
	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 horsepower ratings single-phase			
	110V-120V	HP	-
	220V-240V	HP	1/6
Maximum UL/CSA horsepower ratings three-phase, 3-pole			
	200V-208V	HP	1/2
	220V-240V	HP	1/2
	440V-480V	HP	1
	550V-600V	HP	1.5
<b>Dimensions</b>			



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