



Product designation				Undervoltage trip releases with early-make contacts
Product type designation				SM1X
Description				Undervoltage trip releases
Accessories for				SM1P..., SM1R...
Auxiliary contact characteristics				
Rated insulation voltage U_i IEC/EN	V			690
Rated impulse withstand voltage U_{imp}	kV			4
Operational characteristics				
Rated supply voltage AC	VAC			575
Rated frequency	Hz			60
In-rush consumption	VA			12
Holding consumption	VA			3.5
Release voltage	Us			35...70
Operating voltage	US			85...110
Mechanical features				
Tightening torque for terminals	min	Nm	1	
	max	Nm	1	
	min	lbin	9	
	max	lbin	9	
Conductor section				
AWG/Kcmil	min	18		
	max	14		
Flexible w/o lug conductor section	min	mm ²	0.75	
	max	mm ²	2.5	
Flexible c/w lug conductor section	min	mm ²	0.75	
	max	mm ²	2.5	
Operating position				
	normal allowable			Vertical Any
Terminals				
	type screw width tool		Screw M3.5 7.2 mm Ph2	
Weight		g	130	
Operations				
Mechanical life		cycles	100000	
Ambient conditions				

Temperature

Operating temperature

min	°C	-20
max	°C	+60

Storage temperature

min	°C	-50
max	°C	+80

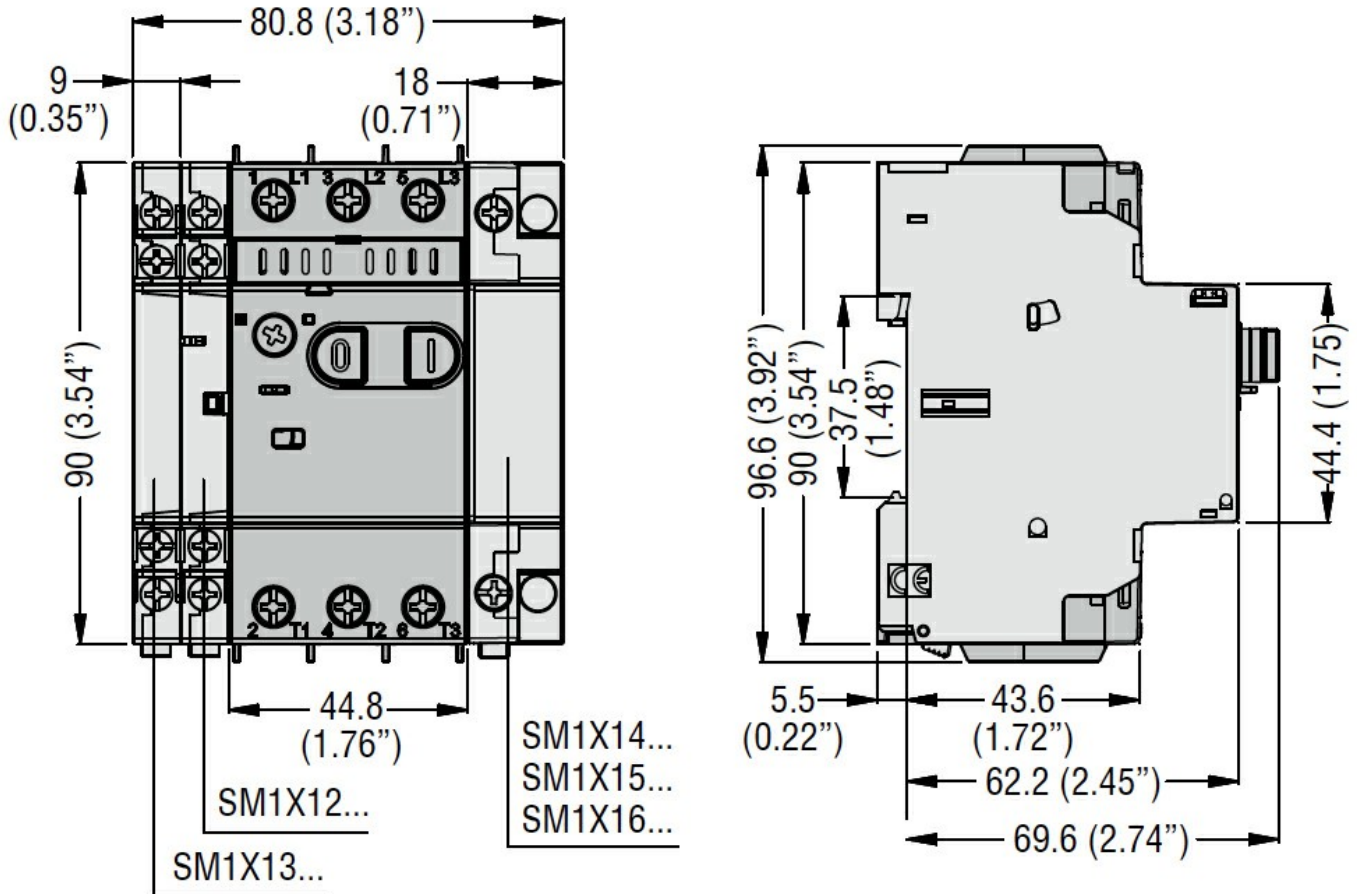
Max altitude

m	3000
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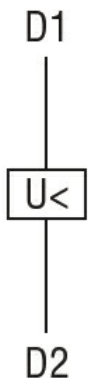
IEC degree of protection

IP20

Dimensions



Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 14
IEC/EN 60947-1

IEC/EN 60947-5-1

UL508

Certificates

cULus

EAC

ETIM classification