



Product designation	Undervoltage trip releases
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	230
Rated frequency	Hz	50
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	Ibin	9
	max	Ibin	9

Conductor section	AWG/Kcmil	min	18
		max	14
Flexible w/o lug conductor section	min	mm <sup>2</sup>	0.75
	max	mm <sup>2</sup>	2.5
Flexible c/w lug conductor section	min	mm <sup>2</sup>	0.75
	max	mm <sup>2</sup>	2.5

Operating position	normal	Vertical
	allowable	Any

Terminals	type	Screw
	screw	M3.5
	width	mm 7.2
	tool	Ph2

Weight	g	130
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**Operations**

Mechanical life	cycles	100000
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**Ambient conditions**

Temperature		
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Operating temperature

min	°C	-20
max	°C	+60

Storage temperature

min	°C	-50
max	°C	+80

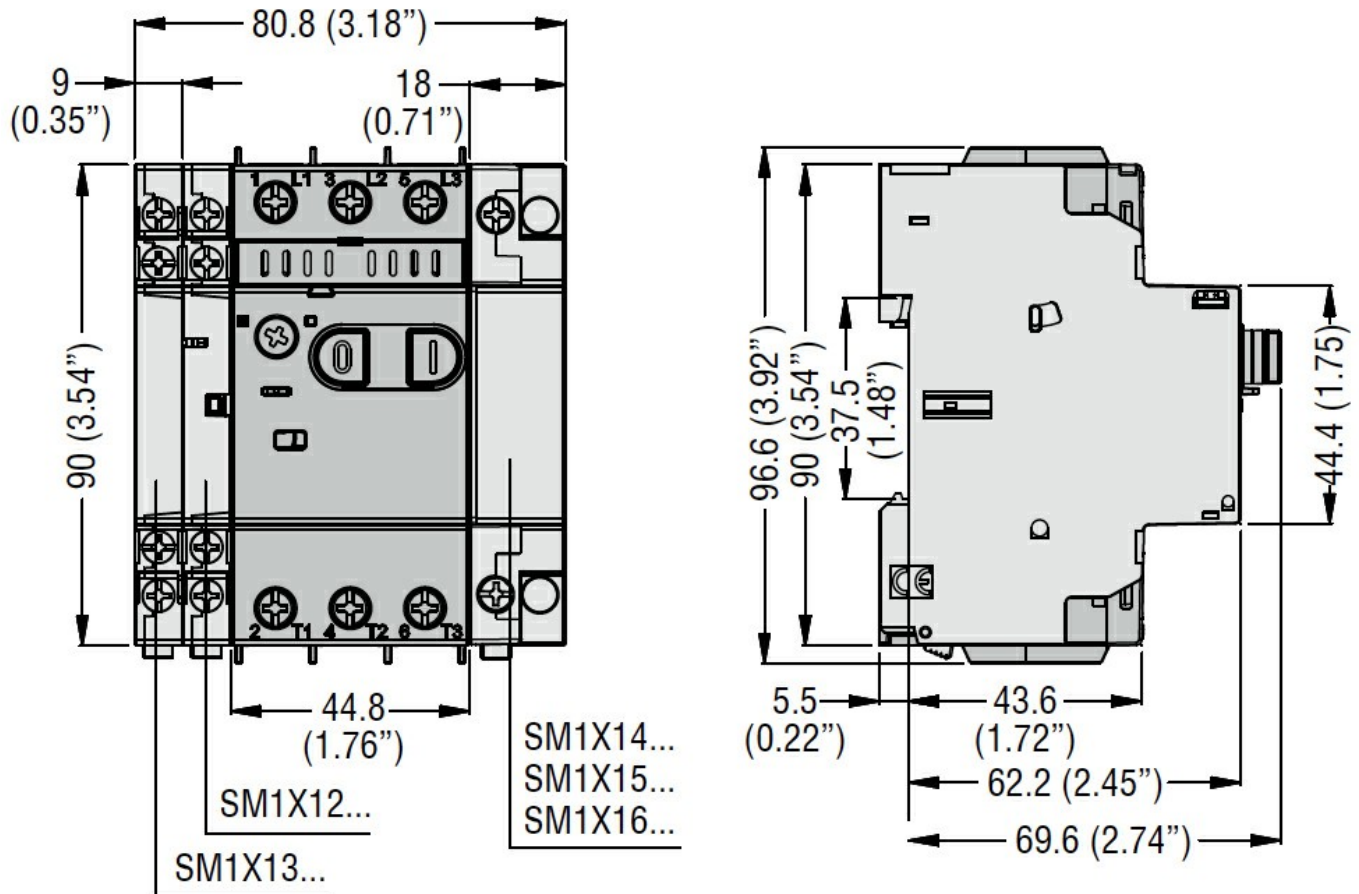
Max altitude

m 3000

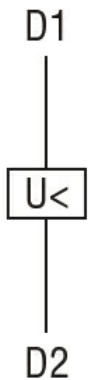
IEC degree of protection

IP20

**Dimensions**



**Wiring diagrams**



**Certifications and compliance**

Compliance

CSA C22.2 n° 14

IEC/EN 60947-1

IEC/EN 60947-5-1

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UL508

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Certificates

cULus  
EAC

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ETIM classification