



Product designation	Undervoltage trip releases with early-make contacts
Product type designation	SM1X
Description	Undervoltage trip releases
Accessories for	SM1R...

Auxiliary contact characteristics

Type of contact		2NO
Rated insulation voltage U_i IEC/EN	V	690
Rated impulse withstand voltage U_{imp}	kV	4
UL/CSA and IEC/EN 60947-5-1 designation		C600 - Q600
Operating current AC15		
	24V	A 2.5
	48V	A 2.5
	60V	A 2.5
	110V	A 1.5
	230V	A 1.5
	400V	A 0.95
	500V	A 0.35
	690V	A 0.3

Operating current DC13		
	24V	A 2.5
	48V	A 2.5
	60V	A 2.5
	110V	A 0.55
	125V	A 0.55
	220V	A 0.27
	600V	A 0.1

Operational characteristics

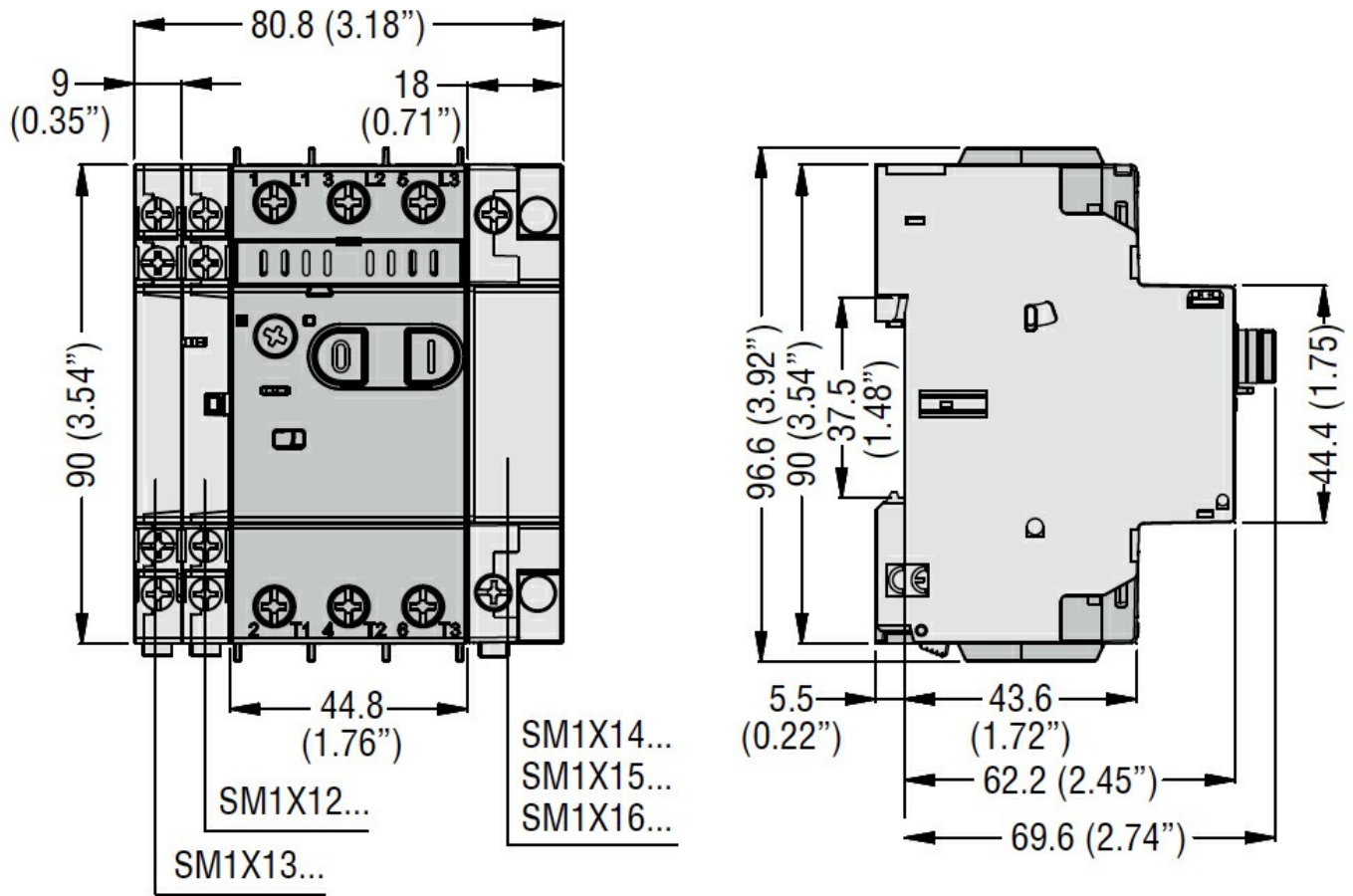
Rated supply voltage AC	VAC	400
Rated frequency	Hz	50
In-rush consumption	VA	12
Holding consumption	VA	3.5
Release voltage	Us	35...70
Operating voltage	US	85...110

Mechanical features

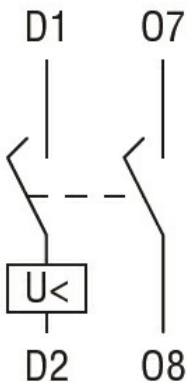
Tightening torque for terminals		
	min	Nm 1
	max	Nm 1
	min	Ibin 9
	max	Ibin 9

Conductor section		
	AWG/Kcmil	
	min	18

		max		14
Flexible w/o lug conductor section		min	mm 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 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
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