



Contact characteristics

Number of poles	Nr.	4
Rated insulation voltage U_i IEC/EN	V	690
Rated impulse withstand voltage U_{imp}	kV	6
Operational frequency	min	Hz 25
	max	Hz 400
IEC Conventional free air thermal current $I_{th} \leq 40^\circ\text{C}$	A	10
Protection fuse	gG (IEC)	A 16
Tightening torque for terminals	min	Nm 0.8
	max	Nm 1
	min	lbin 9
	max	lbin 9
Tightening torque for coil terminal	min	Nm 0.8
	max	Nm 1
	min	lbin 9
	max	lbin 9
Max number of wires simultaneously connectable	Nr.	2
Conductor section	AWG/Kcmil	
	max	12
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 1.5
	max	mm ² 2.5
Flexible with insulated spade lug conductor section	min	mm ² 1.5
	max	mm ² 2.5
Power terminal protection according to IEC/EN 60529		IP20 when properly wired

Mechanical features

Operating position	normal allowable	Vertical plan $\pm 30^\circ$
Fixing		Screw / DIN rail 35mm
Weight	g	206
Auxiliary contact characteristics		
Thermal current I_{th}	A	10
IEC/EN 60947-5-1 designation		A600 - Q600

Operating current AC15					
	230V	A	3		
	400V	A	1.9		
	500V	A	1.4		
Operating current DC12					
	110V	A	2.9		
Operating current DC13					
	24V	A	2.9		
	48V	A	1.4		
	60V	A	1.2		
	110V	A	0.6		
	125V	A	0.55		
	220V	A	0.3		
	600V	A	0.1		
Operations					
Mechanical life		cycles	20000000		
Safety related data					
Performance level B10d according to EN/ISO 13489-1					
	mechanical load	cycles	20000000		
EMC compatibility			yes		
DC coil operating					
DC rated control voltage		V	24		
DC operating voltage					
pick-up	min	%Us	75		
	max	%Us	115		
drop-out	min	%Us	10		
	max	%Us	20		
Average coil consumption ≤20°C					
	in-rush	W	2.3		
	holding	W	2.3		
Max cycles frequency					
Mechanical operation		cycles/h	3600		
Operating times					
Average time for Us control					
in AC	Closing NO	min	ms	12	
		max	ms	21	
	Opening NO	min	ms	9	
		max	ms	18	
	Closing NC	min	ms	17	
		max	ms	26	
	Opening NC	min	ms	7	
		max	ms	17	
	in DC	Closing NO	min	ms	18
			max	ms	25
		Opening NO			

Closing NC	min	ms	2
	max	ms	3
Opening NC	min	ms	3
	max	ms	5
	min	ms	11
	max	ms	17

UL technical data

Rated operational voltage AC (UL) V 600

General USE

Contactor

AC current A 10

Contact rating of auxiliary contacts according to UL A600 - Q600

Ambient conditions

Temperature

Operating temperature

min	°C	-50
max	°C	+70

Storage temperature

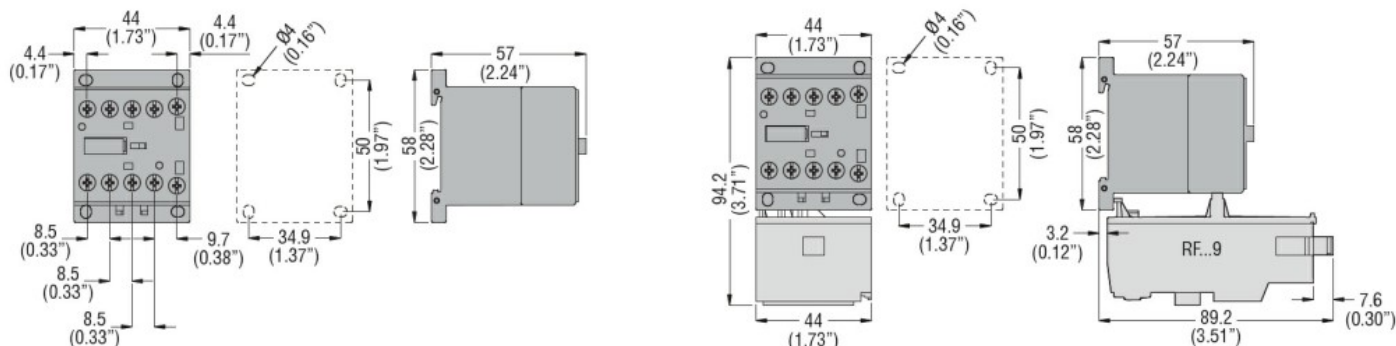
min	°C	-60
max	°C	+80

Max altitude m 3000

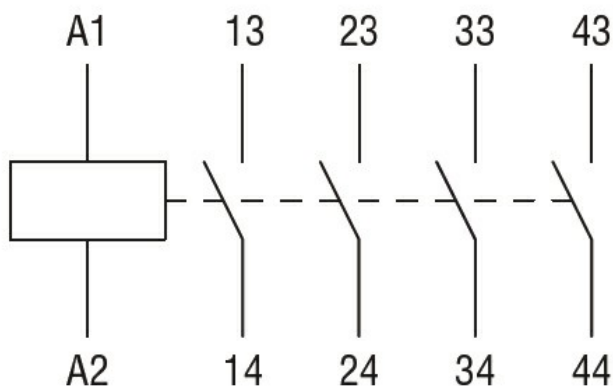
Resistance & Protection

Pollution degree 3

Dimensions



Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-5-1

IEC/EN 60335-2-89

IEC/EN 60947-1

IEC/EN 60947-5-1

UL 60947-1

UL 60947-5-1

Certificates

CSA C22.2 n. 60335-2-40:22 LZGH A2L

CSA C22.2 No. 60335-2-89:21 LZGH A2L

cULus

EAC

UL 60335-2-40 LZGH A2L

UL 60335-2-89 LZGH A2L

ETIM classification

ETIM 8.0

EC000196 -
Contactor relay