



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 $I_{th} \leq 40^\circ C$	A	10		
Protection fuse	gG (IEC)	A	25	
	Tightening torque for terminals			
	min	Nm	1.5	
	max	Nm	1.8	
	min	lbin	1.1	
	max	lbin	1.5	
Tightening torque for coil terminal	min	Nm	0.8	
	max	Nm	1	
	min	lbin	0.8	
	max	lbin	0.74	
Max number of wires simultaneously connectable	Nr.	2		
Conductor section	AWG/Kcmil		max	10
	Flexible w/o lug conductor section			
	min	mm ²	1	
	max	mm ²	6	
Flexible c/w lug conductor section				
	min	mm ²	1	
	max	mm ²	4	
Flexible with insulated spade lug conductor section				
	min	mm ²	1	
	max	mm ²	4	
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	362		
Auxiliary contact characteristics				
Thermal current I_{th}	A	10		
IEC/EN 60947-5-1 designation	A600 - P600			

Operating current AC15	230V	A	3
	400V	A	1.9
	500V	A	1.4
Operating current DC12	110V	A	5.7
	Operating current DC13		
	24V	A	5.7
	48V	A	2.9
	60V	A	2.3
	110V	A	1.25
	125V	A	1.1
	220V	A	0.55
	600V	A	0.2

Operations

Mechanical life cycles 20000000

Safety related data

Performance level B10d according to EN/ISO 13489-1 mechanical load cycles 20000000

EMC compatibility yes

AC coil operating

Rated AC voltage at 50/60Hz V 24

AC operating voltage	of 50/60Hz coil powered at 50Hz	pick-up	min	%Us	80
			max	%Us	110
	drop-out	min	%Us	20	
		max	%Us	55	
	of 50/60Hz coil powered at 60Hz	pick-up	min	%Us	80
			max	%Us	110
drop-out		min	%Us	20	
		max	%Us	55	

AC average coil consumption at 20°C	of 50/60Hz coil powered at 50Hz	in-rush	VA	75
		holding	VA	9
	of 50/60Hz coil powered at 60Hz	in-rush	VA	70
		holding	VA	6.5
	of 60Hz coil powered at 60Hz	in-rush	VA	75
		holding	VA	9

Dissipation at holding ≤20°C 50Hz W 2.5

Max cycles frequency

Mechanical operation cycles/h 3600

Operating times

Average time for Us control
in AC Closing NO

	min	ms	8
	max	ms	24
Opening NO			
	min	ms	10
	max	ms	20
Closing NC			
	min	ms	14
	max	ms	28
Opening NC			
	min	ms	7
	max	ms	18

UL technical data

Rated operational voltage AC (UL) V 600

General USE

Auxiliary contacts

AC current A 10

Contact rating of auxiliary contacts according to UL A600 - P600

Ambient conditions

Temperature

Operating temperature

min °C -50
max °C 70

Storage temperature

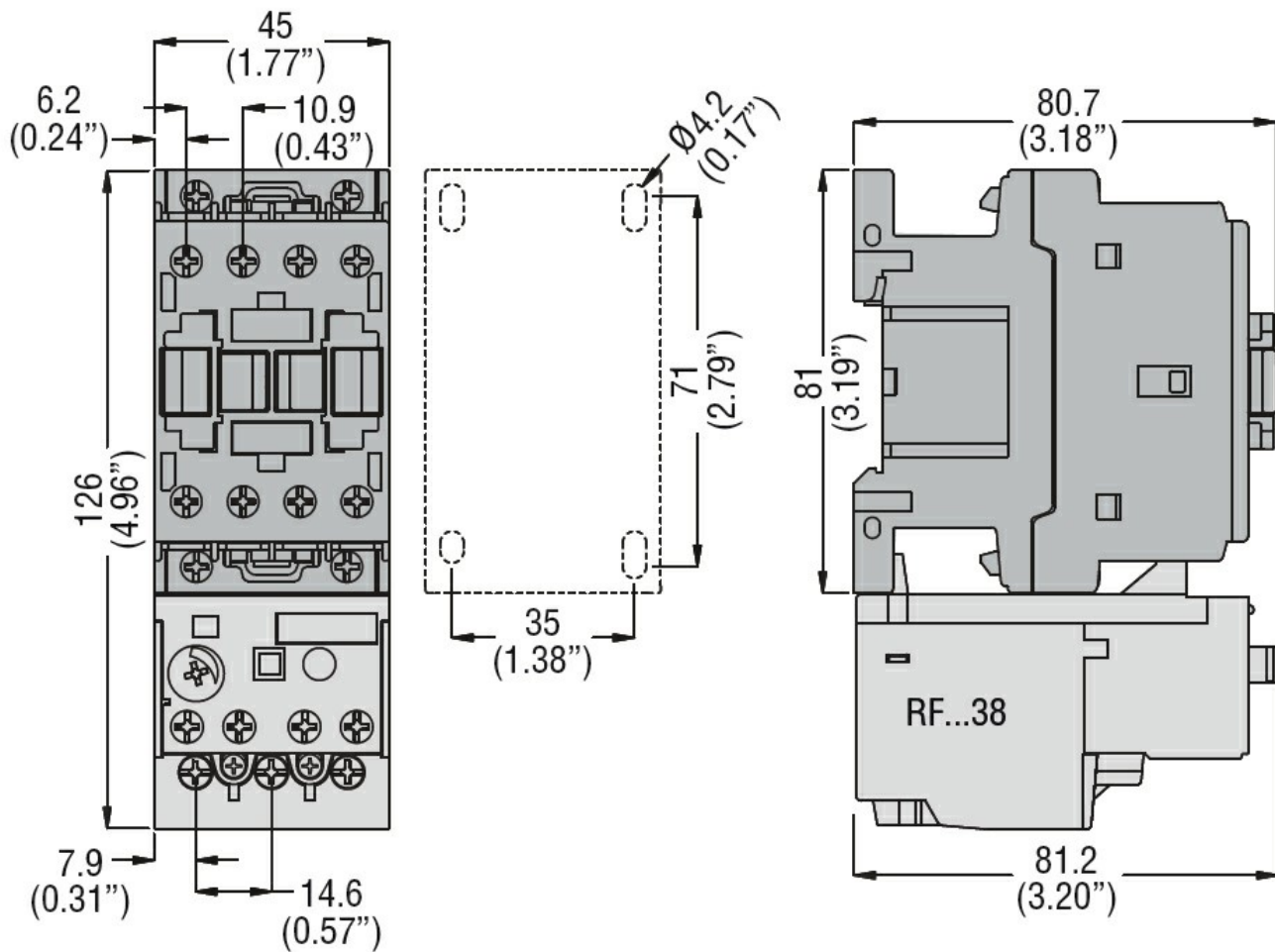
min °C -60
max °C 80

Max altitude m 3000

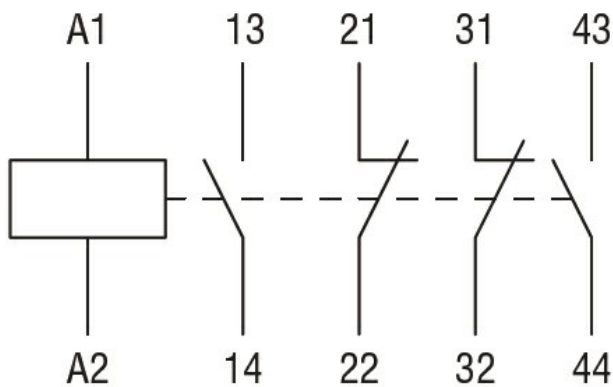
Resistance & Protection

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 60947-1
 IEC/EN 60947-5-1
 UL 60947-1
 UL 60947-5-1

Certificates

CCC
 cULus
 EAC

ETIM classification

ETIM 8.0

EC000196 -
Contactor relay