



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
Short-time allowable current for 10s (IEC/EN60947-1)		A	0
Protection fuse			
		gG (IEC)	A 16
Conductor section	AWG/Kcmil		
		max	12

Mechanical features

Operating position	normal		Vertical plan
	allowable		$\pm 30^\circ$
Fixing			Screw / DIN rail 35mm
Weight		g	180

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
	24V	A	2.9
Operating current DC13	48V	A	1.4
	60V	A	1.1
	125V	A	0.3
	220V	A	0.1
	600V	A	0.6

Operations

Mechanical life		cycles	20000000
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Safety related data

Performance level B10d according to EN/ISO 13489-1	mechanical load	cycles	20000000
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EMC compatibility			yes
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AC coil operating

Rated AC voltage at 50/60Hz		V	400
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AC operating voltage

of 50/60Hz coil powered at 50Hz	pick-up	min	%Us	75
		max	%Us	115
	drop-out	min	%Us	20
		max	%Us	55
of 50/60Hz coil powered at 60Hz	pick-up	min	%Us	80
		max	%Us	115
	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	30
	holding	VA	4
of 50/60Hz coil powered at 60Hz	in-rush	VA	25
	holding	VA	3
of 60Hz coil powered at 60Hz	in-rush	VA	30
	holding	VA	4

Dissipation at holding ≤20°C 50Hz W 0.95

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

min	ms	11
max	ms	17

UL technical data

Rated operational voltage AC (UL)	V	600
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

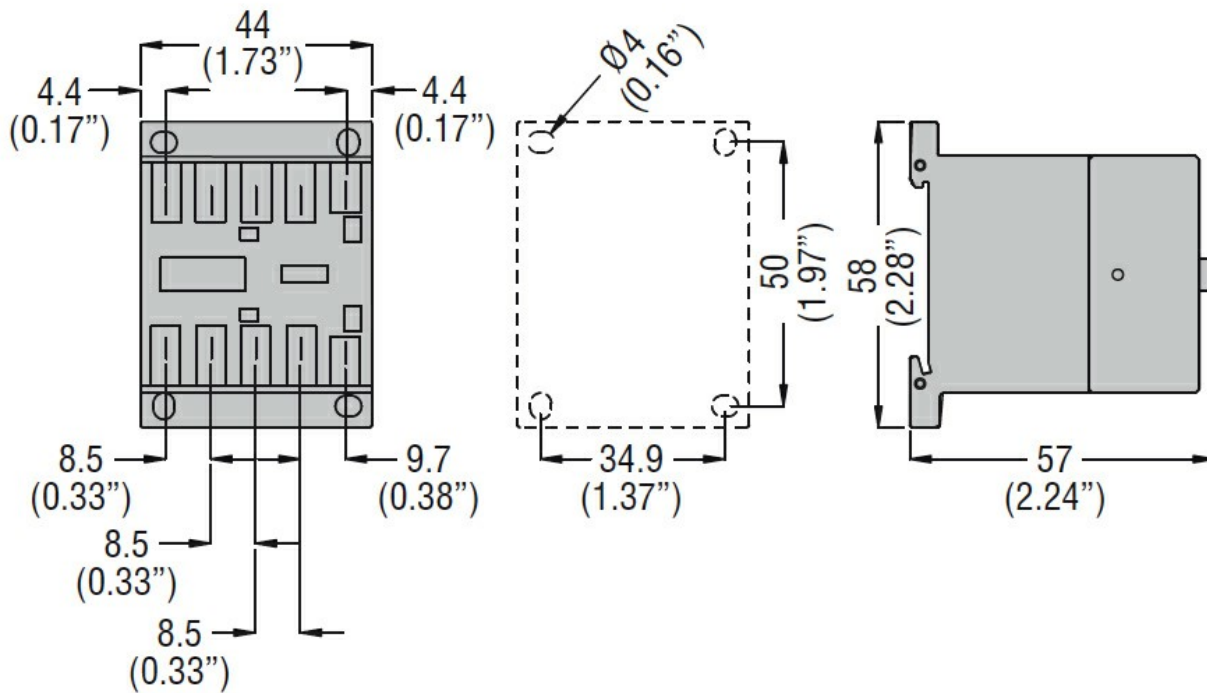
m	3000
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Resistance & Protection

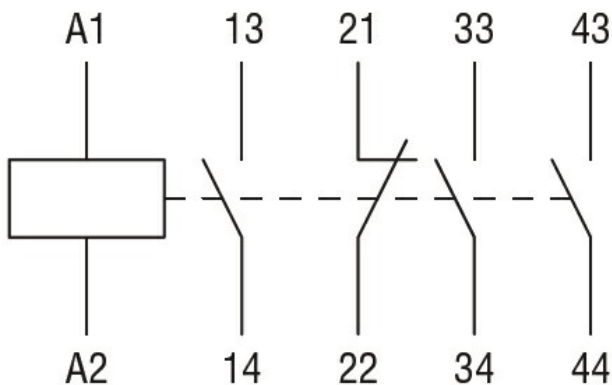
Pollution degree

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