



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
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 allowable	Vertical plan $\pm 30^\circ$
Fixing		Screw / DIN rail 35mm
Weight	g	212

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 1.1
	125V	A 0.3
	220V	A 0.1
	600V	A 0.6

Operations

Mechanical life	cycles	20000000
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Safety related data

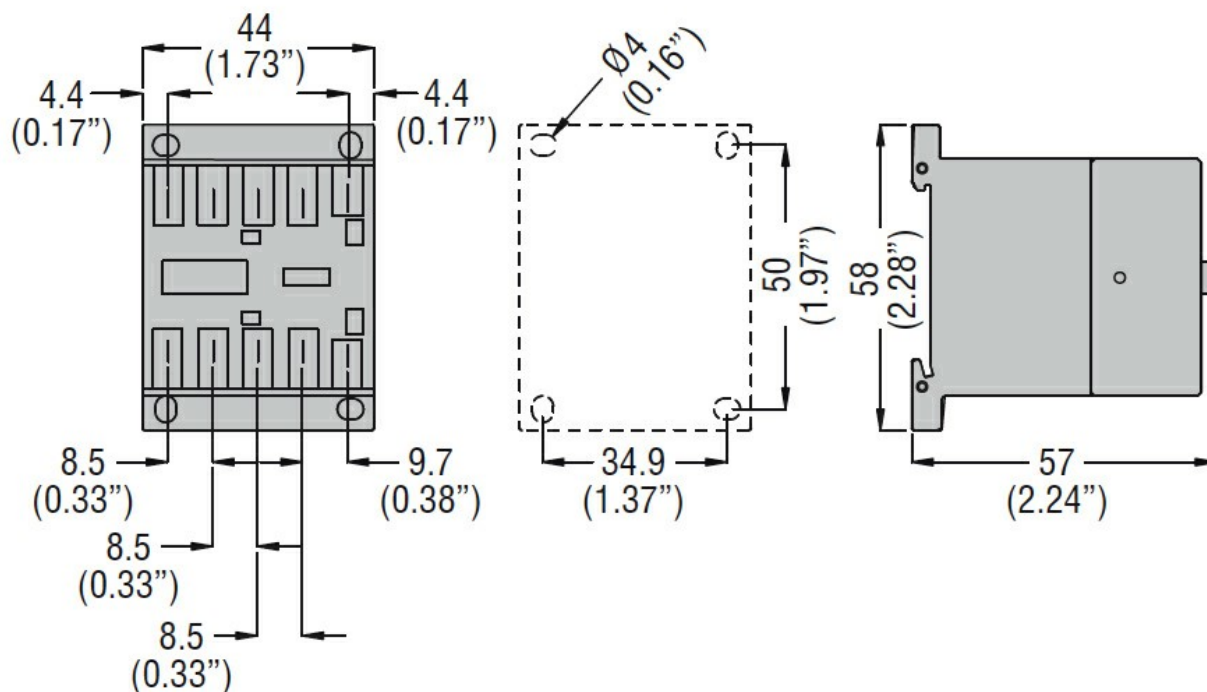
Performance level B10d according to EN/ISO 13489-1	mechanical load	cycles	20000000
EMC compatibility			yes

DC coil operating

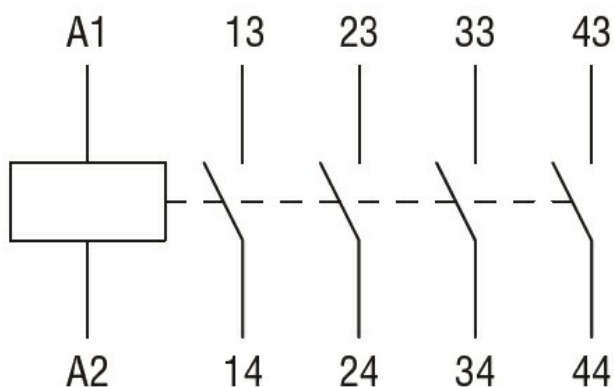
DC rated control voltage	V	48
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DC operating voltage					
pick-up	min	%Us	75		
	max	%Us	115		
drop-out	min	%Us	10		
	max	%Us	25		
Average coil consumption ≤20°C					
	in-rush	W	3.2		
	holding	W	3.2		
Max cycles frequency					
Mechanical operation		cycles/h	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	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		
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