



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 allowable	Vertical plan $\pm 30^\circ$	
		Screw / DIN rail 35mm	
Fixing			
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	1.1
	125V	A	0.3
	220V	A	0.1
	600V	A	0.6
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	48	

DC operating voltage			
pick-up	min	%Us	75
	max	%Us	115
drop-out			
	min	%Us	10
	max	%Us	25

Average coil consumption $\leq 20^{\circ}\text{C}$			
in-rush	W		2.3
holding	W		2.3

**Max cycles frequency**

Mechanical operation	cycles/h	3600
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**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	$^{\circ}\text{C}$		-50
max	$^{\circ}\text{C}$		+70
Storage temperature			
min	$^{\circ}\text{C}$		-60
max	$^{\circ}\text{C}$		+80

Max altitude	m	3000
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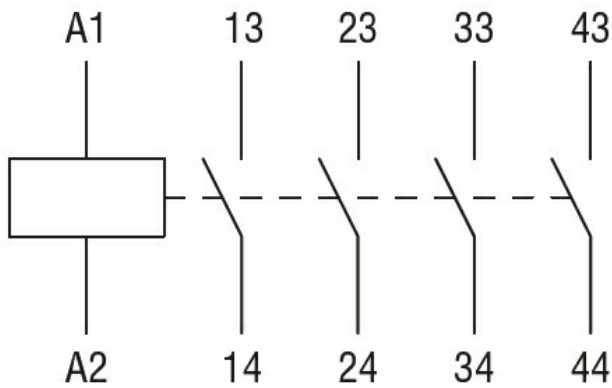
**Resistance & Protection**

Pollution degree		3
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**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