



Product designation

Product type designation

Auxiliary
contactor
BF00

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}	A	10
Operational current I_e	AC-1 ($\leq 55^\circ\text{C}$)	A 0
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	494		
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			
DC coil operating				
DC rated control voltage	V	110		
DC operating voltage				
pick-up	min	%U _s	70	
	max	%U _s	125	
drop-out	min	%U _s	10	
	max	%U _s	40	
Average coil consumption ≤20°C				
	in-rush	W	5.4	
	holding	W	5.4	
Max cycles frequency				
Mechanical operation	cycles/h	3600		
Operating times				
Average time for U _s control				
in DC	Closing NO	min	ms	54
		max	ms	66
	Opening NO	min	ms	14
		max	ms	17
	Closing NC	min	ms	24
		max	ms	30
	Opening NC	min	ms	47

	max	ms	57
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

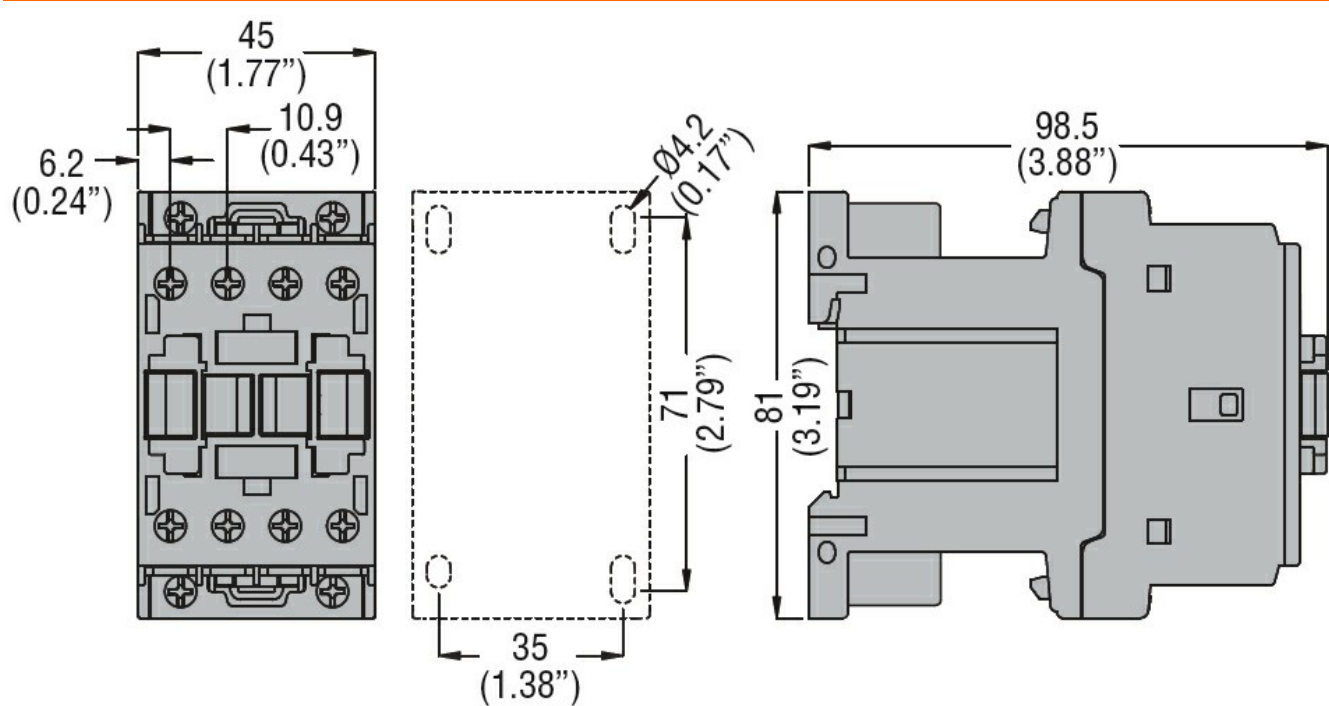
Ambient conditions			
Temperature			

Operating temperature			
	min	°C	-50
	max	°C	70
Storage temperature			
	min	°C	-60
	max	°C	80

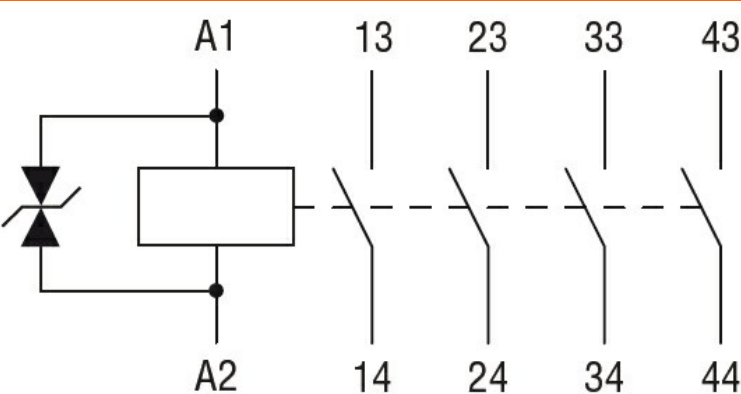
Max altitude	m	3000
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Resistance & Protection			
Pollution degree			3

Dimensions			
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Wiring diagrams			
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Certifications and compliance			
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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