



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
	gG (IEC)	A 25
Protection fuse	min	Nm 1.5
	max	Nm 1.8
	min	Ibin 1.1
	max	Ibin 1.5
Tightening torque for coil terminal	min	Nm 0.8
	max	Nm 1
	min	Ibin 0.8
	max	Ibin 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	496	
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	60	
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

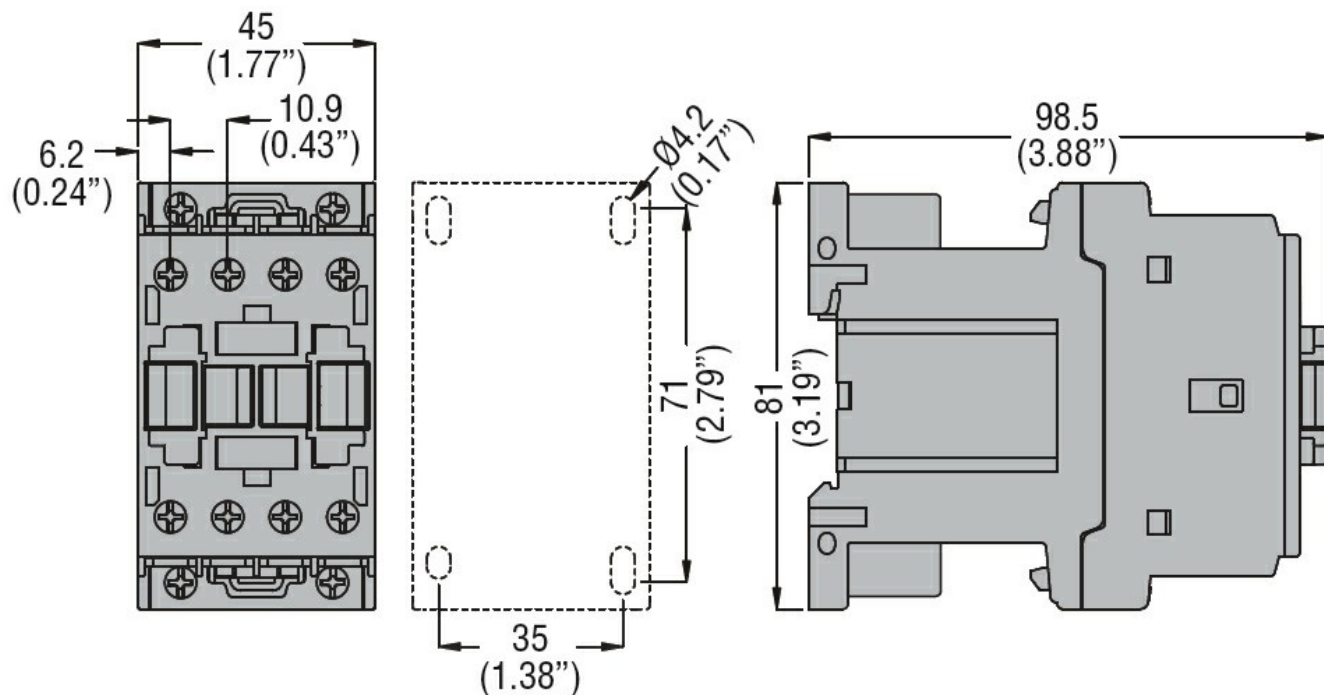
Ambient conditions			
Temperature			

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

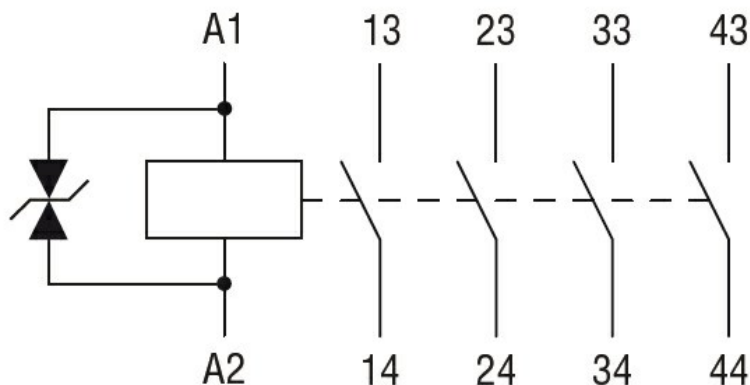
Max altitude	m	3000
--------------	---	------

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