

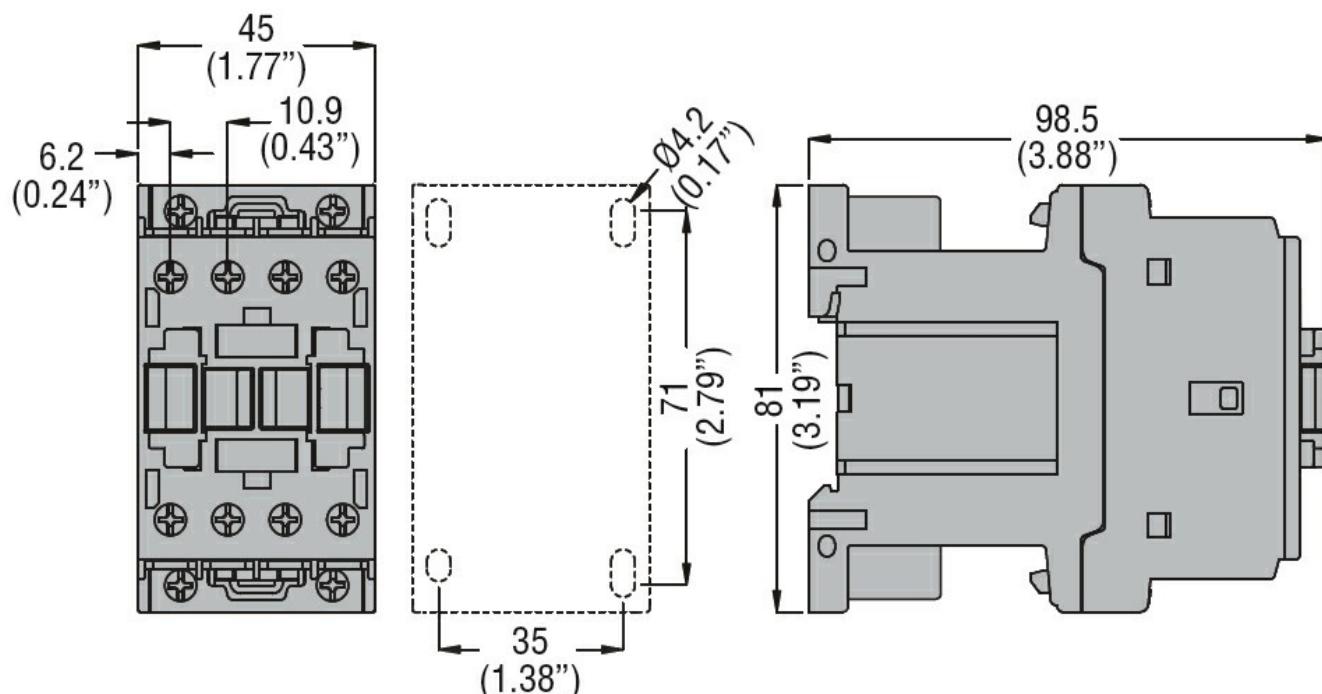


Product designation	Auxiliary contactor		
Product type designation	BF00		
Contact characteristics			
Number of poles	Nr.	4	
Rated insulation voltage Ui IEC/EN	V	690	
Rated impulse withstand voltage Uimp	kV	6	
Operational frequency	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith	A	10	
Protection fuse	gG (IEC)	A	25
Tightening torque for terminals	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		Vertical plan
	allowable		±30°
Fixing	Screw / DIN rail 35mm		
Weight	g	496	
Auxiliary contact characteristics			

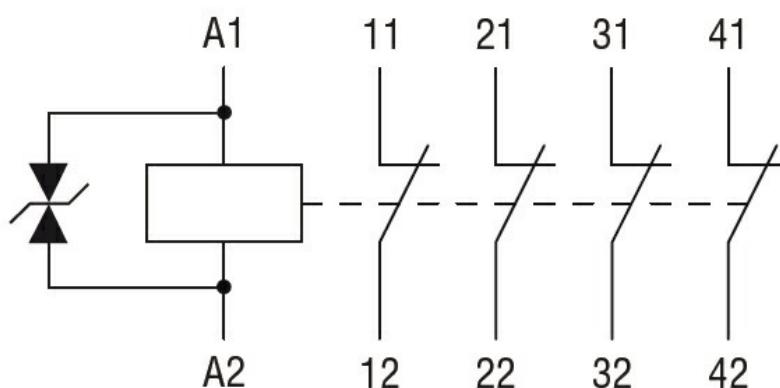
Thermal current I_{th}	A	10
IEC/EN 60947-5-1 designation		A600 - P600
Operating current AC15		
	230V	A 3
	400V	A 1.9
	500V	A 1.4
Operating current DC12	110V	A 5.7
Operating current DC13		
	24V	A 5.7
	48V	A 2.9
	60V	A 2.3
	110V	A 1.25
	125V	A 1.1
	220V	A 0.55
	600V	A 0.2
Operations		
Mechanical life	cycles	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	110
DC operating voltage		
pick-up		
	min	%Us 70
	max	%Us 125
drop-out		
	min	%Us 10
	max	%Us 40
Average coil consumption $\leq 20^{\circ}\text{C}$		
	in-rush	W 5.4
	holding	W 5.4
Max cycles frequency		
Mechanical operation	cycles/h	3600
Operating times		
Average time for Us 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