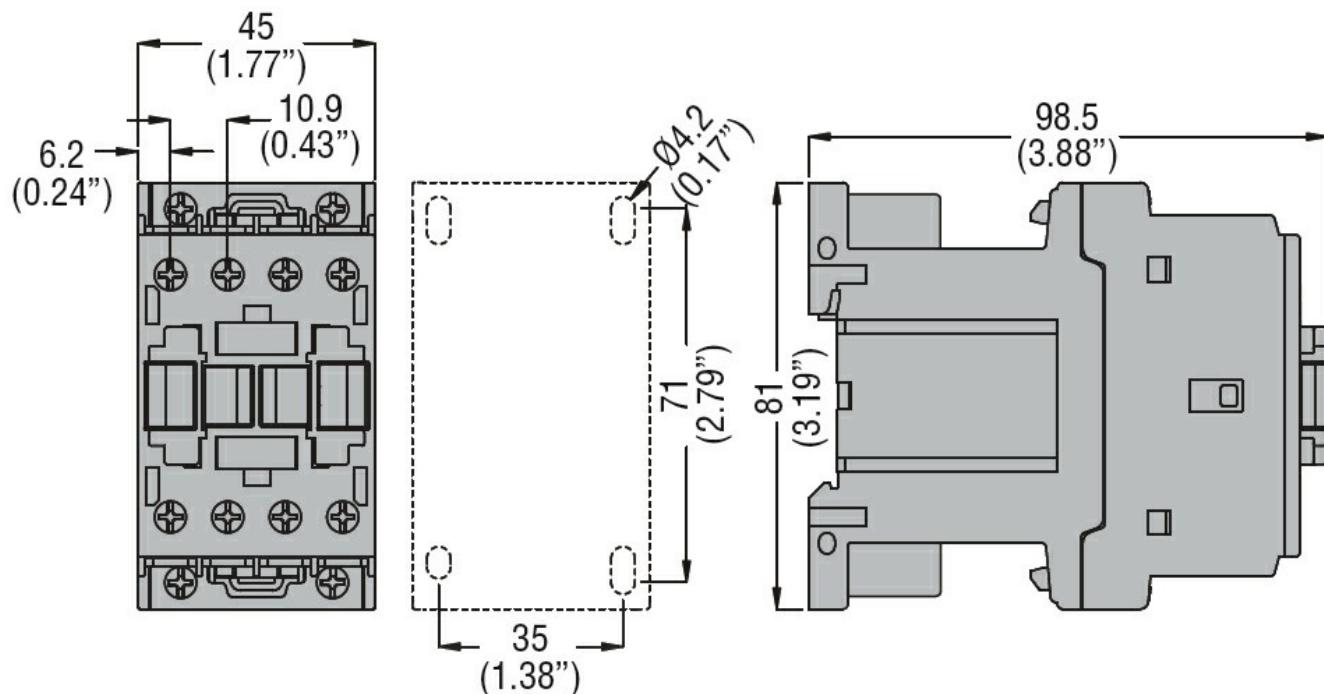




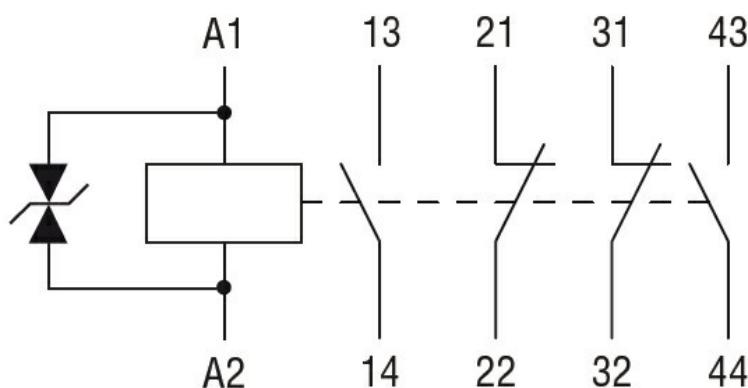
Product designation	Auxiliary contactor		
Product type designation	BF00		
Contact characteristics			
Number of poles	Nr.	4	
Rated insulation voltage U_i IEC/EN	V	690	
Rated impulse withstand voltage U_{imp}	kV	6	
Operational frequency	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current I_{th}	A	10	
Operational current I_e	AC-1 ($\leq 55^\circ C$)	A	0
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 allowable		Vertical plan $\pm 30^\circ$

Fixing	Screw / DIN rail 35mm		
Weight	g 500		
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	220	
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

UL technical data	max	ms	57
Rated operational voltage AC (UL)	V	600	
General USE			
Auxiliary contacts			
AC current	A	10	
Contact rating of auxiliary contacts according to UL			
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			
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