



Auxiliary
contactor
BF00

Product designation

Product type designation

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

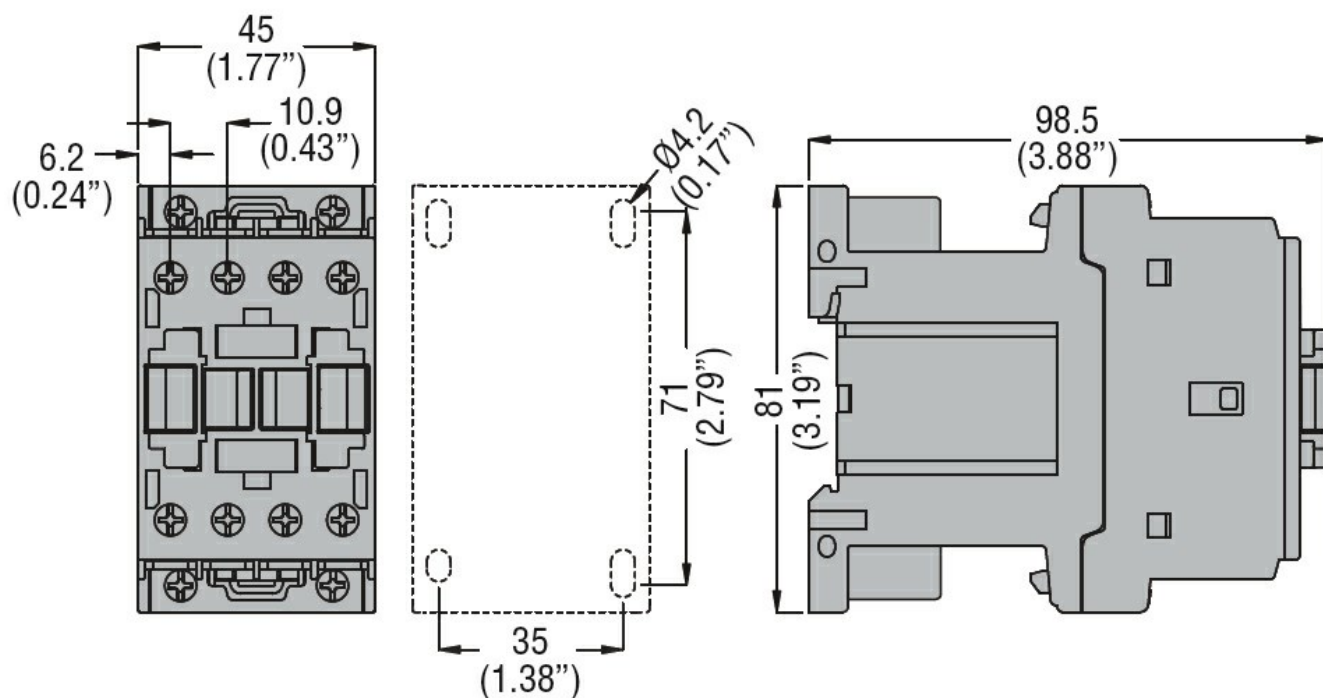
Operating position

normal
allowable

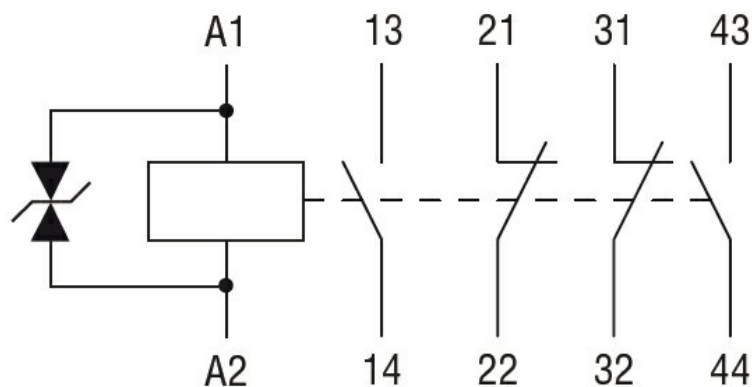
Vertical plan
 $\pm 30^\circ$

Fixing			Screw / DIN rail 35mm			
Weight			g	490		
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	24		
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