



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
	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

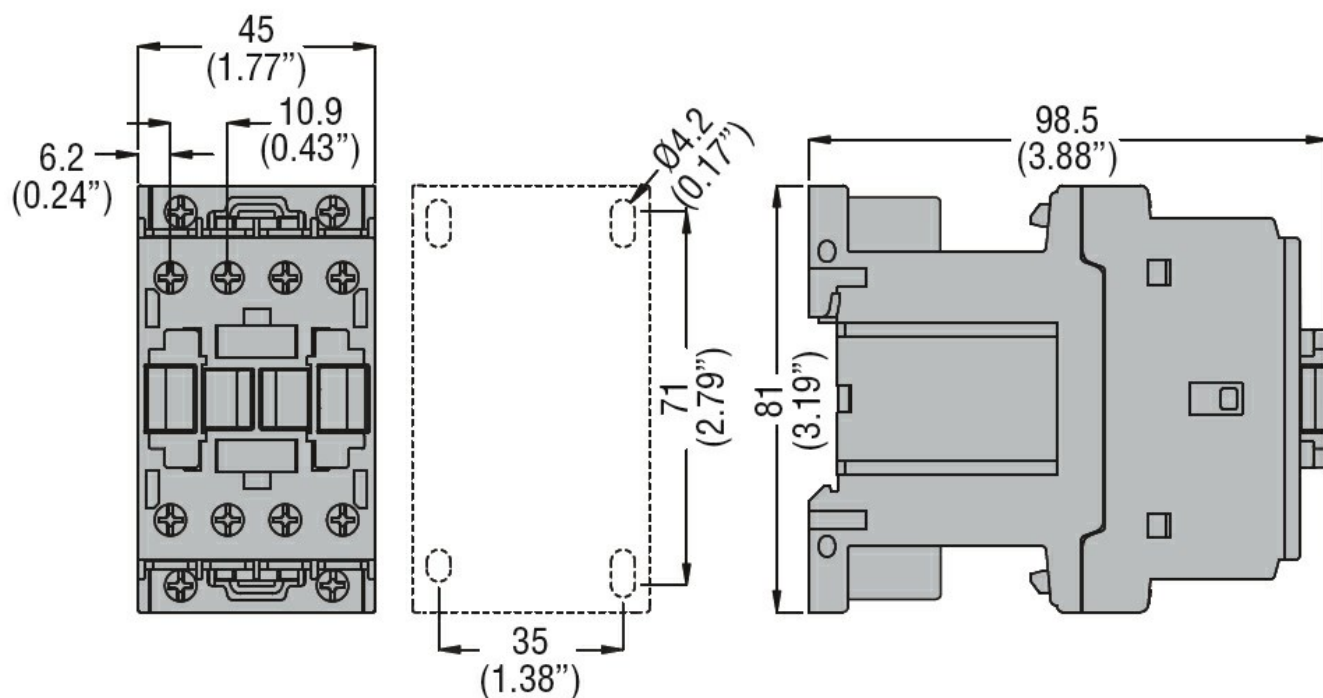
Operating position

normal
allowable

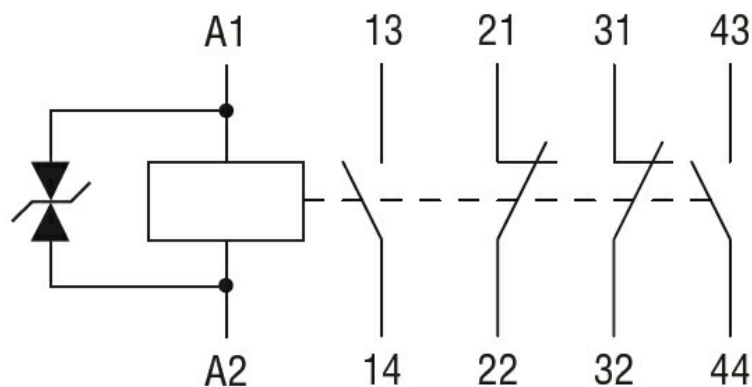
Vertical plan
 $\pm 30^\circ$

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	48	
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