BF0022D125

CONTROL RELAY WITH DC COIL, 125VDC, 2NO AND 2NC



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 ≤ 40°C		A	10
Operational current Ie			
	AC-1 (≤55°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	mm²	1
	max	mm²	6
Flexible c/w lug conductor section			
	min	mm²	1
	max	mm²	4
Flexible with insulated spade lug conductor section			
	min	mm²	1
	max	mm²	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	492
Auxiliary contact characteristics			

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Thermal current Ith			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	125
DC operating voltage				
	pick-up			
		min	%Us	70
		max	%Us	125
	drop-out			
		min	%Us	10
		max	%Us	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 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

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General USE				
	Auxiliary contacts			
		AC current	A	10
Contact rating of auxiliary contacts according to UL				A600 - P600

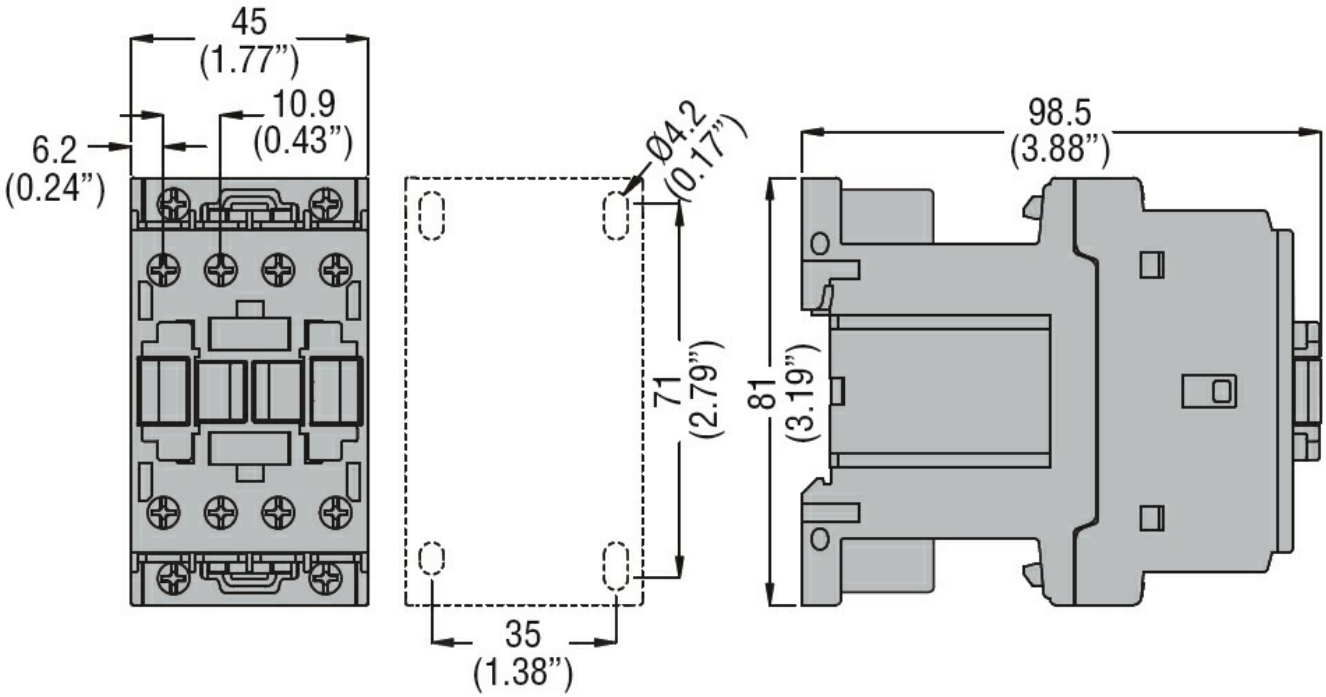
Ambient conditions

Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	70
	Storage temperature			
		min	°C	-60
		max	°C	80
Max altitude			m	3000

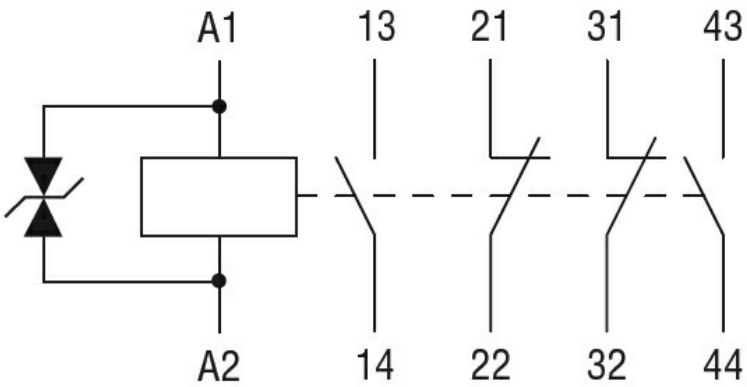
Resistance & Protection

Pollution degree	3

Dimensions



Wiring diagrams



Certifications and compliance

Compliance	
	CSA C22.2 n° 60947-1
	CSA C22.2 n° 60947-5-1

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	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

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