



Product designation				Auxiliary contactor
Product type designat	ion			BF00
Contact characteristic				Broo
Number of poles			Nr.	4
Rated insulation voltage	ae Ui IEC/EN		V	690
Rated impulse withsta			kV	6
Operational frequency				
		min	Hz	25
		max	Hz	400
IEC Conventional free	air thermal current lth	max	A	10
Operational current le			7	10
operational ourient le		AC-1 (≤55°C)	А	0
Protection fuse		A0-1 (±00 0)	A	0
T TOLECTION 1036		gG (IEC)	А	25
Tightening torque for t	orminale	gg (illo)	~	23
	enninais	min	Nm	1.5
		max	Nm	1.8
		min	Ibin	1.1
			Ibin	1.5
Tightoning torque for	and terminal	max		1.5
Tightening torque for a	conterminar	min	Nimo	0.0
		min	Nm	0.8
		max	Nm	1
		min	Ibin	0.8
Man a set as a for the set	the first of the second first second s	max	Ibin	0.74
	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 protect	tion according to IEC/EN 60529			IP20 when
· .				properly wired
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°

BF0040D048



BF0040D048 CONTROL RELAY WITH DC COIL, 48VDC, 4NO

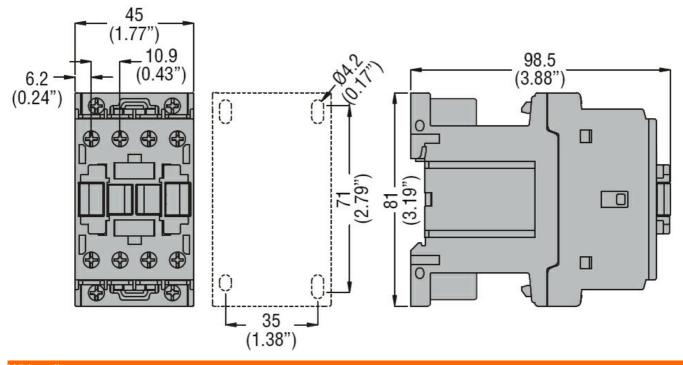
Fixing			Screw / DIN rail 35mm
Weight		g	494
Conductor section			
AWG/kcmil conductor section			
	max		10
Auxiliary contact characteristics			
Thermal current Ith		А	10
IEC/EN 60947-5-1 designation			A600 - P600
Operating current AC15			
	230V	А	3
	400V	А	1.9
	500V	А	1.4
Operating current DC12			
	110V	А	5.7
Operating current DC13			
	24V	А	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	0001		0.2
Mechanical life		cycles	20000000
Safety related data		Cycles	20000000
Performance level B10d according to EN/ISO 13489-1			
renormance level brod according to EN/ISO 15469-1	mechanical load	cycles	20000000
Mirror contats according to IEC/EN 609474-4-1	mechanicarioau	Cycles	YES
EMC compatibility			yes
DC coil operating		× /	40
DC rated control voltage		V	48
DC operating voltage			
pick-up			
	min	%Us	70
	max	%Us	125
drop-out			
	min	%Us	10
	max	%Us	40
Average coil consumption ≤20°C		%Us	40
Average coil consumption ≤20°C		%Us W	40 5.4
Average coil consumption ≤20°C	max		
	maxin-rush	W	5.4
Max cycles frequency	maxin-rush	W	5.4 5.4
Max cycles frequency Mechanical operation	maxin-rush	W W	5.4 5.4
Max cycles frequency Mechanical operation Operating times	maxin-rush	W W	5.4 5.4
Max cycles frequency Mechanical operation Operating times Average time for Us control	maxin-rush	W W	5.4 5.4
Max cycles frequency Mechanical operation Operating times Average time for Us control in DC	maxin-rush	W W	5.4 5.4
Max cycles frequency Mechanical operation Operating times Average time for Us control	max in-rush holding	W W cycles/h	5.4 5.4 3600
Max cycles frequency Mechanical operation Operating times Average time for Us control in DC	max in-rush holding min	W W cycles/h ms	5.4 5.4 3600 54
Max cycles frequency Mechanical operation Operating times Average time for Us control in DC Closing NO	max in-rush holding	W W cycles/h	5.4 5.4 3600
Max cycles frequency Mechanical operation Operating times Average time for Us control in DC	max in-rush holding min max	W W cycles/h ms ms	5.4 5.4 3600 54 66
Closing NO	max in-rush holding min	W W cycles/h ms	5.4 5.4 3600 54

BF0040D048



BF0040D048 CONTROL RELAY WITH DC COIL, 48VDC, 4NO

Closing N	С		
	min	ms	24
	max	ms	30
Opening N	1C		
	min	ms	47
	max	ms	57
UL technical data			
General USE			
Auxiliary contacts			
	AC current	А	10
Contact rating of auxiliary contacts according to UL			A600 - P600
Ambient conditions			
Temperature			
Operating temperature			
	min	°C	-50
	min max	°C ℃	-50 70
Storage temperature			
Storage temperature			
Storage temperature	max	°C	70
Storage temperature Max altitude	maxmin	°C °C	-60
	maxmin	2° C °C	70 -60 80
Max altitude	maxmin	2° C °C	70 -60 80

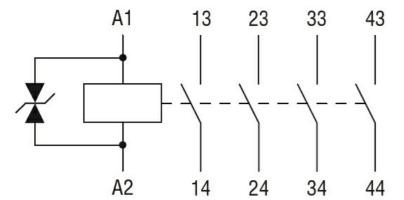


Wiring diagrams

BF0040D048



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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