CONTROL RELAY WITH DC COIL LOW CONSUMPTION, 48VDC, 2NO AND 2NC, FASTON TERMINALS



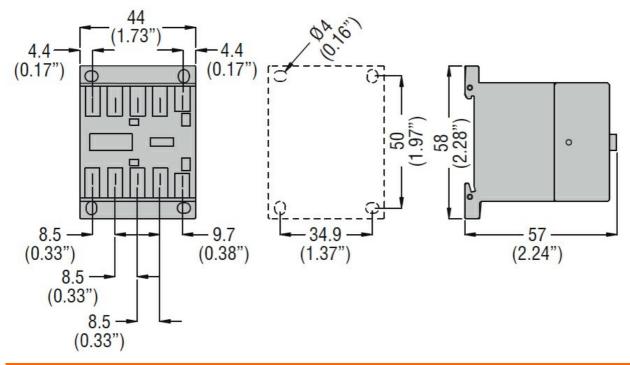
Product designation				Auxiliary contactor
Product type designat	tion			BGF00
Contact characteristic				201 00
Number of poles			Nr.	4
Rated insulation voltage	ge Ui IEC/EN		V	690
Rated impulse withsta	and voltage Uimp		kV	6
Operational frequency	1			
		min	Hz	25
		max	Hz	400
IEC Conventional free		Α	10	
Short-time allowable	current for 10s (IEC/EN60947-1)		Α	0
Protection fuse				
		gG (IEC)	Α	16
Tightening torque for t	terminals			
		min	Nm	0.8
		max	Nm	1
		min	lbin	9
T'-1 (' ((max	Ibin	9
Tightening torque for	coil terminal		Niss	0.0
		min	Nm Nm	0.8
		max min	lbin	1 9
		max	lbin	9
Max number of wires	simultaneously connectable	Παλ	Nr.	2
Conductor section	omakanoodoly comicolabio			
Conadotor Coolion	AWG/Kcmil			
	, W. 6, 1 6, 1 m	max		12
	Flexible w/o lug conductor section			
	J	min	mm²	0.75
		max	mm²	2.5
	Flexible c/w lug conductor section			
		min	mm²	1.5
		max	mm²	2.5
	Flexible with insulated spade lug conductor section			
		min	mm²	1.5
-		max	mm²	2.5
Power terminal protect			IP20 when	
Mechanical features	_			properly wired
Operating position				
Sperating position		normal		Vertical plan
		allowable		±30°
		4.10 114010		Screw / DIN rail
Fixing				35mm
Weight			g	220

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Conductor section					
	AWG/kcmil conductor	or section			
A Management of the co	and the state of		max		12
Auxiliary contact chara Thermal current Ith	acteristics			Λ	10
IEC/EN 60947-5-1 des	signation			Α	A600 - Q600
Operating current AC1					A000 - Q000
Operating current AC	13		230V	Α	3
			400V	A	1.9
			500V	A	1.4
Operating current DC1	12				
3			110V	Α	2.9
Operating current DC1	13		- -		
			24V	Α	2.9
			48V	Α	1.4
			60V	Α	1.1
			125V	Α	0.3
			220V	Α	0.1
			600V	Α	0.6
Operations					
Mechanical life				cycles	20000000
Safety related data					
Performance level B1	0d according to EN/IS	O 13489-1			
			mechanical load	cycles	20000000
Mirror contats accordi	ng to IEC/EN 609474-	4-1			YES
EMC compatibility					yes
DC coil operating	~~			V	40
DC rated control voltage	ge			V	48
-				V	48
DC rated control voltage	ge pick-up		min		
DC rated control voltage			min max	%Us	75
DC rated control voltage	pick-up		min max		
DC rated control voltage			max	%Us %Us	75 115
DC rated control voltage	pick-up			%Us %Us %Us	75
DC rated control voltage DC operating voltage	pick-up drop-out		max min	%Us %Us	75 115
DC rated control voltage	pick-up drop-out		max min	%Us %Us %Us	75 115 10 25
DC rated control voltage DC operating voltage	pick-up drop-out		max min max	%Us %Us %Us %Us	75 115
DC rated control voltage DC operating voltage	pick-up drop-out		max min max in-rush	%Us %Us %Us %Us W	75 115 10 25 2.3
DC rated control voltage DC operating voltage Average coil consump	pick-up drop-out		max min max in-rush	%Us %Us %Us %Us W	75 115 10 25 2.3 2.3
DC rated control voltage DC operating voltage Average coil consump	pick-up drop-out		max min max in-rush	%Us %Us %Us %Us W W	75 115 10 25 2.3 2.3
DC rated control voltage DC operating voltage Average coil consump Max cycles frequency Mechanical operation	pick-up drop-out otion ≤20°C		max min max in-rush	%Us %Us %Us %Us W W	75 115 10 25 2.3 2.3
DC rated control voltage DC operating voltage Average coil consump Max cycles frequency Mechanical operation Operating times	pick-up drop-out otion ≤20°C		max min max in-rush	%Us %Us %Us %Us W W	75 115 10 25 2.3 2.3
DC rated control voltage DC operating voltage Average coil consump Max cycles frequency Mechanical operation Operating times	pick-up drop-out otion ≤20°C	Closing NO	max min max in-rush holding	%Us %Us %Us %Us W W	75 115 10 25 2.3 2.3 3600
DC rated control voltage DC operating voltage Average coil consump Max cycles frequency Mechanical operation Operating times	pick-up drop-out otion ≤20°C	Closing NO	max min max in-rush holding	%Us %Us %Us %Us W W cycles/h	75 115 10 25 2.3 2.3 3600
DC rated control voltage DC operating voltage Average coil consump Max cycles frequency Mechanical operation Operating times	pick-up drop-out otion ≤20°C	·	max min max in-rush holding	%Us %Us %Us %Us W W	75 115 10 25 2.3 2.3 3600
DC rated control voltage DC operating voltage Average coil consump Max cycles frequency Mechanical operation Operating times	pick-up drop-out otion ≤20°C	Closing NO Opening NO	min max in-rush holding min max	%Us %Us %Us %Us W W cycles/h	75 115 10 25 2.3 2.3 3600
DC rated control voltage DC operating voltage Average coil consump Max cycles frequency Mechanical operation Operating times	pick-up drop-out otion ≤20°C	·	max min max in-rush holding min max min	%Us %Us %Us %Us W W cycles/h	75 115 10 25 2.3 2.3 3600
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DC rated control voltage DC operating voltage Average coil consump Max cycles frequency Mechanical operation Operating times	pick-up drop-out otion ≤20°C	Opening NO	min max in-rush holding min max min max min max min max min max	%Us %Us %Us %Us W W cycles/h	75 115 10 25 2.3 2.3 3600 12 21 9 18
DC rated control voltage DC operating voltage Average coil consump Max cycles frequency Mechanical operation Operating times	pick-up drop-out otion ≤20°C	Opening NO	min max in-rush holding min max min max	%Us %Us %Us %Us W W cycles/h	75 115 10 25 2.3 2.3 3600

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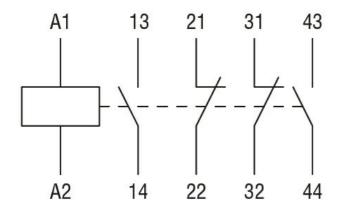
			min	ms	7
			max	ms	17
	in DC				
		Closing NO			
		J	min	ms	18
			max	ms	25
		Opening NO			
		. 3	min	ms	2
			max	ms	3
		Closing NC			
			min	ms	3
			max	ms	5
		Opening NC			
		opermig 110	min	ms	11
			max	ms	17
UL technical data					
Contact rating of auxiliary contacts according to UL					A600 - Q600
Ambient conditions	ary cornacte according to				7,000 4,000
Temperature					
romporataro	Operating temperature				
	operating temperature		min	°C	-50
			max	°C	+70
	Storage temperature		max		170
	Storage temperature		min	°C	-60
			max	°C	+80
Max altitude			IIIax		
	nn -			m	3000
Resistance & Protection	лі —				2
Pollution degree Dimensions					3



Wiring diagrams

ENERGY AND AUTOMATION

CONTROL RELAY WITH DC COIL LOW CONSUMPTION, 48VDC, 2NO AND 2NC, FASTON TERMINALS



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