

## CONTROL RELAY WITH CONTROL CIRCUIT: AC AND DC, BG00 TYPE, AC COIL 50/60HZ, 24VAC, 2NO AND 2NC



Product designation			Auxiliary
Product type designation			contactor BG00
Contact characteristics			ВООО
Number of poles		nr.	4
Rated insulation voltage Ui		V	690
Rated impulse withstand voltage Uimp		kV	6
Operating frequency			
	rational frequency min	Hz	25
•	ational frequency max	Hz	400
Conventional free air thermal current Ith		Α	10
Protection fuse			
	gG (IEC)	Α	16
Tightening torque for terminals			
	min	Nm	0.8
	max	Nm	1
	min	lbft	0.59
	max	lbft	0.74
Tightening torque for coil terminal			
	min	Nm	0.8
	max	Nm	1
	min	lbft	0.8
	max	lbft	0.74
max number of wires simultaneously connectable		nr.	2
Conductor section			
AWG			
	min		18
	max		12
Flexible w/o lug conductor section		2	0.75
	min	mm²	0.75
Floritary Lance Later and	max	mm²	2.5
Flexible c/w lug conductor section	·!	mm²	1.5
	min	mm²	1.5 2.5
Flexible with insulated spade lug conductors	max	mm²	۷.ن
i lexible with insulated space by conductors	min section	mm²	1.5
	max	mm²	2.5
Power terminal protection according to IEC/EN 60529	IIIdX	111111	IP20 when wired
Auxiliary contact characteristics			ii 20 wiidii wiidd
Type of contact		<del></del>	2 NO + 2 NC
Thermal current Ith		Α	10
IEC/EN 60947-5-1 designation			A600 - Q600
Operating current AC15			
-1 0	230V	Α	3
	400V	A	1.9
		-	-





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			500V	Α	1.4
Operating current DC1	2				
			110V	Α	2.9
Operating current DC1	3		24V	۸	2.0
			24 V 48 V	A A	2.9 1.4
			60V	A	1.1
			110V	Α	Screw / DIN rail 35mm
			125V	Α	0.3
			220V	Α	0.1
A self-tendence Pitters			600V	Α	0.6
Ambient conditions Temperature					
remperature	Operating temperature				
	operating temperature		min	°C	-40
			max	°C	60
	Storage temperature				
			min	°C	-55
<b>8.4</b> 16% 1			max	°C	70
Max altitude				m	3000
Operating position			normal		Vertical plan
			allowable		±30°
Mounting					Screw / DIN rail 35mm
Weight				g	0.179
				9	00
Operations				9	
Mechanical life				Cycles	20000000
Mechanical life Safety related data	Od according to FN/ISO 124	20.4			
Mechanical life Safety related data	0d according to EN/ISO 134	89-1	mechanical load	Cycles	20000000
Mechanical life Safety related data Performance level B10	Od according to EN/ISO 134	89-1	mechanical load		20000000
Mechanical life Safety related data Performance level B10 EMC compatibility	Od according to EN/ISO 134	.89-1	mechanical load	Cycles	20000000
Mechanical life Safety related data Performance level B10	Od according to EN/ISO 134	89-1	mechanical load	Cycles	20000000
Mechanical life Safety related data Performance level B10  EMC compatibility AC coil operating	of 50/60Hz coil powered a	ıt 50Hz	mechanical load	Cycles	20000000
Mechanical life Safety related data Performance level B10  EMC compatibility AC coil operating	of 50/60Hz coil powered a			Cycles	20000000 20000000 yes
Mechanical life Safety related data Performance level B10  EMC compatibility AC coil operating	of 50/60Hz coil powered a	ıt 50Hz	min	Cycles  Cicli  %Us	20000000 20000000 yes
Mechanical life Safety related data Performance level B10  EMC compatibility AC coil operating	of 50/60Hz coil powered a	ıt 50Hz ck-up		Cycles	20000000 20000000 yes
Mechanical life Safety related data Performance level B10  EMC compatibility AC coil operating	of 50/60Hz coil powered a	ıt 50Hz	min max	Cycles  Cicli  %Us %Us	20000000 20000000 yes 0.75 1.15
Mechanical life Safety related data Performance level B10  EMC compatibility AC coil operating	of 50/60Hz coil powered a	ıt 50Hz ck-up	min	Cycles  Cicli  %Us	20000000 20000000 yes
Mechanical life Safety related data Performance level B10  EMC compatibility AC coil operating	of 50/60Hz coil powered a	nt 50Hz ck-up rop-out	min max min	Cycles  Cicli  %Us %Us %Us	20000000 20000000 yes 0.75 1.15 0.2
Mechanical life Safety related data Performance level B10  EMC compatibility AC coil operating	of 50/60Hz coil powered a pi	nt 50Hz ck-up rop-out	min max min max	Cycles  Cicli  %Us %Us %Us %Us %Us	20000000  20000000  yes  0.75 1.15 0.2 0.55
Mechanical life Safety related data Performance level B10  EMC compatibility AC coil operating	of 50/60Hz coil powered a pi	t 50Hz ck-up op-out	min max min max	Cycles  Cicli  %Us %Us %Us %Us %Us	20000000  20000000  yes  0.75 1.15  0.2 0.55
Mechanical life Safety related data Performance level B10  EMC compatibility AC coil operating	of 50/60Hz coil powered a pi	at 50Hz ck-up op-out at 60Hz ck-up	min max min max	Cycles  Cicli  %Us %Us %Us %Us %Us	20000000  20000000  yes  0.75 1.15 0.2 0.55
Mechanical life Safety related data Performance level B10  EMC compatibility AC coil operating	of 50/60Hz coil powered a pi	t 50Hz ck-up op-out	min max min max min max	Cycles  Cicli  %Us %Us %Us %Us %Us %Us	20000000 20000000 yes 0.75 1.15 0.2 0.55 0.8 1.15
Mechanical life Safety related data Performance level B10  EMC compatibility AC coil operating	of 50/60Hz coil powered a pi	at 50Hz ck-up op-out at 60Hz ck-up	min max min max min max	Cycles  Cicli  %Us %Us %Us %Us %Us %Us %Us	20000000  20000000  yes  0.75 1.15 0.2 0.55  0.8 1.15 0.2
Mechanical life Safety related data Performance level B10  EMC compatibility AC coil operating	of 50/60Hz coil powered a pi	at 50Hz ck-up rop-out at 60Hz ck-up	min max min max min max	Cycles  Cicli  %Us %Us %Us %Us %Us %Us	20000000 20000000 yes 0.75 1.15 0.2 0.55 0.8 1.15
Mechanical life Safety related data Performance level B10  EMC compatibility AC coil operating	of 50/60Hz coil powered a pi	at 50Hz ck-up rop-out at 60Hz ck-up	min max min max min max	Cycles  Cicli  %Us %Us %Us %Us %Us %Us %Us	20000000  20000000  yes  0.75 1.15 0.2 0.55  0.8 1.15 0.2
Mechanical life Safety related data Performance level B10  EMC compatibility AC coil operating	of 50/60Hz coil powered a pi	at 50Hz ck-up op-out at 60Hz ck-up op-out	min max min max min max	Cycles  Cicli  %Us %Us %Us %Us %Us %Us %Us %Us %Us	20000000  20000000  yes  0.75 1.15 0.2 0.55  0.8 1.15 0.2 0.55
Mechanical life Safety related data Performance level B10  EMC compatibility AC coil operating	of 50/60Hz coil powered a pictor of 50/60Hz coil powered a pictor of 60Hz coil powered at 60 pictor of 60Hz	at 50Hz ck-up op-out at 60Hz ck-up op-out	min max min max min max	Cycles  Cicli  %Us %Us %Us %Us %Us %Us %Us %Us %Us	20000000  20000000  yes  0.75 1.15 0.2 0.55  0.8 1.15 0.2 0.55

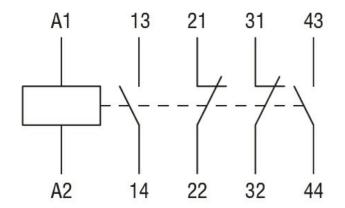


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		min	%Us	0.2
		max	%Us	0.55
AC operating voltage				
	of 50/60Hz coil powered at 50H	z		
		in-rush	VA	30
		holding	VA	4
	of 50/60Hz coil powered at 60H			<del>-</del>
	•	in-rush	VA	25
		holding	VA	3
	of 60Hz coil powered at 60Hz		***	
	or our iz con powered at our iz	in-rush	VA	30
		holding	VA	4
Dissipation at halding	<00°C F011-	Holding		
Dissipation at holding	≤20°C 50HZ		W	0.95
DC coil operating				
DC operating voltage				
Average coil consuption	on ≤20°C			
		in-rush	W	3.2
		holding	W	3.2
Max cycles frequency				
Mechanical operations	3		Cycles/h	3600
Operating times				
Average time for Us co	ontrol			
, wordgo umo for Go o	in AC			
	Closing	I NO		
	Closing	min	me	12
			ms	
	On an in	max	ms	21
	Openin	_		0
		min	ms	9
		max	ms	18
	Closing	NC		
		min	ms	17
		max	ms	26
	Openin	g NC		
		min	ms	7
		max	ms	17
UL technical data				
Contact rating of auxili	ary contacts according to UL			A600 - Q600
Other features	·			
Pollution degree				3
Dimensions				
4.4 (0.17") (0.17") (0.17") (0.38") (0.38")	34.9 (1.37")	2, 1, 1, 2, 2, 3, 4, 9, 1, 3, 1, 1, 3, 1, 1, 3, 1, 1, 3, 1,	(2.2 (2.28 (2.78 (2.78 (2.78 (2.78)	RF9
(0.33")			1	7.6
8.5 (0.33")		(1.73")		89.2 (3.51") 7.6 (0.30")
Wiring diagrams		()		

**ENERGY AND AUTOMATION** 

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## Certifications and compliance

Certifications

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

Compliance

cULus

EAC

## ETIM 6 classification

EC000066 - Power contactor, AC switching