

CONTROL RELAY WITH CONTROL CIRCUIT: AC AND DC, BG00 TYPE, AC COIL 50/60HZ, 230VAC, 3NO AND 1NC



Product designation			•	Auxiliary contactor
Product type designate	ion			BG00
Contact characteristic	S			
Number of poles			nr.	4
Rated insulation voltage	ge Ui		V	690
Rated impulse withsta	kV	6		
Operating frequency				
	Ор	erational frequency min	Hz	25
	Оре	erational frequency max	Hz	400
Conventional free air	hermal current Ith		Α	10
Protection fuse				
		gG (IEC)	Α	16
Tightening torque for	erminals			
		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	max	nr.	2
Conductor section	Simulationally confidences			
Conductor Scotlon	AWG			
	AWO	min		18
		max		12
	Flexible w/o lug conductor section	max		12
	r lexible w/o lug conductor section	min	mm²	0.75
		max	mm²	2.5
	Flexible c/w lug conductor section	IIIax	111111	2.5
	i levible o'm ind collancial section	min	mm²	1.5
	Florible with insulated and deliver conductor	max	mm²	2.5
	Flexible with insulated spade lug conductor		2	4.5
		min	mm²	1.5
		max	mm²	2.5
	tion according to IEC/EN 60529			IP20 when wired
Auxiliary contact char	acteristics			0.110 4.110
Type of contact				3 NO + 1 NC
Thermal current Ith			Α	10
IEC/EN 60947-5-1 designation				A600 - Q600
Operating current AC	15			
		230V	Α	3
		400V	Α	1.9





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			500V	Α	1.4
Operating current DC1	2		110V	А	2.9
Operating current DC1	3				
			24V	Α	2.9
			48V	Α	1.4
			60V	Α	1.1
			110V	Α	Screw / DIN rail 35mm
			125V	Α	0.3
			220V	Α	0.1
A 1.1 4 194			600V	Α	0.6
Ambient conditions					
Temperature	Operating temperature				
	Operating temperature		min	°C	-40
			max	°C	60
	Storage temperature		тах		
	g		min	°C	-55
			max	°C	70
Max altitude				m	3000
Operating position					_
			normal		Vertical plan
-			allowable		±30°
Mounting					Screw / DIN rail 35mm
Weight				g	0.182
Operations					
Operations					
Mechanical life				Cycles	20000000
Mechanical life Safety related data	Od according to EN/ISO 12	490.1		Cycles	20000000
Mechanical life Safety related data	0d according to EN/ISO 13	489-1	mechanical load		
Mechanical life Safety related data Performance level B10	0d according to EN/ISO 13	489-1	mechanical load	Cycles	20000000
Mechanical life Safety related data Performance level B10 EMC compatibility	0d according to EN/ISO 13	489-1	mechanical load		
Mechanical life Safety related data Performance level B10 EMC compatibility AC coil operating	0d according to EN/ISO 13	489-1	mechanical load		20000000
Mechanical life Safety related data Performance level B10 EMC compatibility	Od according to EN/ISO 13		mechanical load		20000000
Mechanical life Safety related data Performance level B10 EMC compatibility AC coil operating	of 50/60Hz coil powered		mechanical load		20000000
Mechanical life Safety related data Performance level B10 EMC compatibility AC coil operating	of 50/60Hz coil powered	at 50Hz	mechanical load	Cicli %Us	20000000 yes
Mechanical life Safety related data Performance level B10 EMC compatibility AC coil operating	of 50/60Hz coil powered	at 50Hz oick-up		Cicli	20000000 yes
Mechanical life Safety related data Performance level B10 EMC compatibility AC coil operating	of 50/60Hz coil powered	at 50Hz	min max	Cicli %Us %Us	20000000 yes 0.75 1.15
Mechanical life Safety related data Performance level B10 EMC compatibility AC coil operating	of 50/60Hz coil powered	at 50Hz oick-up	min max min	Cicli %Us %Us %Us	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	at 50Hz oick-up drop-out	min max	Cicli %Us %Us	20000000 yes 0.75 1.15
Mechanical life Safety related data Performance level B10 EMC compatibility AC coil operating	of 50/60Hz coil powered of 50/60Hz coil powered	at 50Hz bick-up drop-out at 60Hz	min max min	Cicli %Us %Us %Us	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 of 50/60Hz coil powered	at 50Hz oick-up drop-out	min max min max	Cicli %Us %Us %Us %Us %Us	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 of 50/60Hz coil powered	at 50Hz bick-up drop-out at 60Hz	min max min max min	Cicli %Us %Us %Us %Us %Us	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 of 50/60Hz coil powered of 50/60Hz coil powered	at 50Hz bick-up drop-out at 60Hz bick-up	min max min max	Cicli %Us %Us %Us %Us %Us	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 of 50/60Hz coil powered of 50/60Hz coil powered	at 50Hz bick-up drop-out at 60Hz	min max min max min	Cicli %Us %Us %Us %Us %Us %Us	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 of 50/60Hz coil powered of 50/60Hz coil powered	at 50Hz bick-up drop-out at 60Hz bick-up	min max min max min max	Cicli %Us %Us %Us %Us %Us	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 of 50/60Hz coil powered of 50/60Hz coil powered	at 50Hz bick-up drop-out at 60Hz bick-up drop-out	min max min max min max min	Cicli %Us %Us %Us %Us %Us %Us	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 of 50/60Hz coil powered of 50/60Hz coil powered of 60Hz coil powered at 6	at 50Hz bick-up drop-out at 60Hz bick-up drop-out	min max min max min max min max	Cicli %Us %Us %Us %Us %Us %Us %Us %Us	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 of 50/60Hz coil powered of 50/60Hz coil powered of 60Hz coil powered at 6	at 50Hz bick-up drop-out at 60Hz bick-up drop-out	min max min max min max min max	Cicli %Us %Us %Us %Us %Us %Us %Us %Us %Us	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 of 50/60Hz coil powered of 50/60Hz coil powered of 60Hz coil powered at 6	at 50Hz bick-up drop-out at 60Hz bick-up drop-out	min max min max min max min max	Cicli %Us %Us %Us %Us %Us %Us %Us	20000000 yes 0.75 1.15 0.2 0.55 0.8 1.15 0.2 0.55

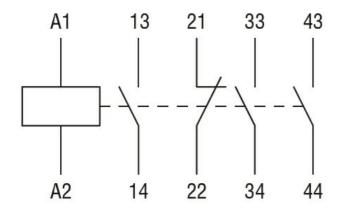


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		min	%Us	0.2
		max	%Us	0.55
AC operating voltage				
	of 50/60Hz coil powered at 50H	z		
		in-rush	VA	30
		holding	VA	4
	of 50/60Hz coil powered at 60H			-
	•	in-rush	VA	25
		holding	VA	3
	of 60Hz coil powered at 60Hz		***	
	or our iz con powered 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 (1.73") (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

CCC

cULus

EAC

ETIM 6 classification

EC000066 - Power contactor, AC switching