



Product designation			Power contacto
Product type designation			BG06
Contact characteristics			
Number of poles		Nr.	3
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	max	A	16
Operational current le		7.	10
	AC-1 (≤40°C)	А	16
	AC-1 (≤55°C)	A	14
	AC-1 (≤70°C)	A	12
	AC-3 (≤440V ≤55°C)	A	6
,	AC-4 (400V)	A	3.3
Rated operational power AC-3 (T≤55°C)		7.	0.0
	230V	kW	1.5
	400V	kW	2.2
	415V	kW	2.4
	440V	kW	2.5
	500V	kW	3
	690V	kW	3
Rated operational power AC-1 (T≤40°C)			
	230V	kW	6
	400V	kW	10
	500V	kW	13
	690V	kW	18
EC max current le in DC1 with L/R ≤ 1ms with 1 poles in series			
	≤24V	А	9
	48V	А	8
	75V	А	4
	110V	А	3
	220V	А	_
EC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series			
	≤24V	А	12
	48V	А	11
	75V	А	7
	110V	А	6
	220V	Α	_
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series			
	≤24V	А	14
	48V	А	14
	75V	А	8
	110V		8

electric ENERGY AND AUTOMATION

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	220V	А	1
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
	≤24V	А	_
	48V	А	_
	75V	А	_
	110V	А	_
	220V	А	_
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
	≤24V	А	6
	48V	А	5
	75V	А	2
	110V	А	1
	220V	А	_
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series			
	≤24V	А	7
	48V	A	7
	48V 75V	A	4
	110V	A	3
	220V	A	-
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series	220 V	Λ	_
TEC max current le in DC5-DC5 with E/K = 15ms with 5 poles in series	≤24V	۸	0
	48V	A A	9 9
	40V 75V	A	5
	110V	A	5 4
IFO menu summent is in DO2 DO5 with 1/D < 45mm with 4 melos in series	220V	A	0,5
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 4 poles in series	<0.4) /	^	
	≤24V	A	_
	48V	A	_
	75V	A	_
	110V	A	-
	220V	A	_
Short-time allowable current for 10s (IEC/EN60947-1)		Α	96
Protection fuse			
	gG (IEC)	Α	16
	aM (IEC)	A	6
Making capacity (RMS value)		Α	92
Breaking capacity at voltage			
	440V	А	72
	500V	А	72
	690V	Α	72
Resistance per pole (average value)		mΩ	10
Power dissipation per pole (average value)			
	Ith	W	2.6
	AC-3	W	0.36
Tightening torque for terminals			
	min	Nm	0.8
	max	Nm	1
	min	lbin	9
	max	lbin	9
Tightening torque for coil terminal			
	min	Nm	0.8
	max	Nm	1
	min	Ibin	9

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Man and the first		max	Ibin	9
	simultaneously connectable		Nr.	2
Conductor section				
	AWG/Kcmil			10
		max		12
	Flexible w/o lug conductor section			0.75
		min	mm²	0.75
	Flowible of the conductor continu	max	mm²	2.5
	Flexible c/w lug conductor section	min	mm²	1 5
		min		1.5 2.5
	Elevible with inculated anode lug conductor costion	max	mm²	2.0
	Flexible with insulated spade lug conductor section	min	ma ma 2	1 5
		min	mm²	1.5 2.5
		max	mm²	IP20 when
Power terminal prote	ction according to IEC/EN 60529			properly wired
Mechanical features				propeny wired
Operating position				
		normal		Vertical plan
		allowable		±30°
		anowable		Screw / DIN rai
Fixing				35mm
Weight			g	220
Conductor section			3	
	AWG/kcmil conductor section			
		max		12
Auxiliary contact cha	racteristics			
Thermal current Ith			А	10
IEC/EN 60947-5-1 d	esignation			A600 - Q600
Operating current AC	-			
		230V	А	3
		400V	A	1.9
		500V	A	1.4
Operating current DC	12			
	51Z	110V	Δ	29
		110V	А	2.9
Operating current DC				
		24V	А	2.9
		24V 48V	A A	2.9 1.4
		24V 48V 60V	A A A	2.9 1.4 1.2
		24V 48V 60V 110V	A A A A	2.9 1.4 1.2 0.6
		24V 48V 60V 110V 125V	A A A A	2.9 1.4 1.2 0.6 0.55
		24V 48V 60V 110V 125V 220V	A A A A A	2.9 1.4 1.2 0.6 0.55 0.3
Operating current DC		24V 48V 60V 110V 125V	A A A A	2.9 1.4 1.2 0.6 0.55
Operating current DC		24V 48V 60V 110V 125V 220V	A A A A A A A	2.9 1.4 1.2 0.6 0.55 0.3 0.1
Operating current DC Operations Mechanical life		24V 48V 60V 110V 125V 220V	A A A A A A Cycles	2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000
Operating current DC Operations Mechanical life Electrical life		24V 48V 60V 110V 125V 220V	A A A A A A A	2.9 1.4 1.2 0.6 0.55 0.3 0.1
Operating current DC Operations Mechanical life Electrical life Safety related data	213	24V 48V 60V 110V 125V 220V	A A A A A A Cycles	2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000
Operating current DC Operations Mechanical life Electrical life Safety related data		24V 48V 60V 110V 125V 220V 600V	A A A A A A cycles cycles	2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000
Operating current DC Operations Mechanical life Electrical life Safety related data	213 10d according to EN/ISO 13489-1	24V 48V 60V 110V 125V 220V 600V	A A A A A A Cycles cycles	2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000 500000
Operating current DC Operations Mechanical life Electrical life Safety related data Performance level B	213 10d according to EN/ISO 13489-1 med	24V 48V 60V 110V 125V 220V 600V	A A A A A A cycles cycles	2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000 500000 20000000
Operating current DC Operations Mechanical life Electrical life Safety related data Performance level B	213 10d according to EN/ISO 13489-1	24V 48V 60V 110V 125V 220V 600V	A A A A A A Cycles cycles	2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000 500000



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DC rated control voltage	je			V	125
DC operating voltage					
	pick-up			0/11-	75
			min	%Us %Us	75 115
	drop-out		max	%US	115
	ulop-out		min	%Us	10
			max	%Us	25
Average coil consump	tion ≤20°C			,	
			in-rush	W	3.2
			holding	W	3.2
Max cycles frequency					
Mechanical operation				cycles/h	3600
Operating times					
Average time for Us co					
	in AC				
		Closing NO	min	me	12
			max	ms ms	21
		Opening NO	Παλ	1113	<u> </u>
			min	ms	9
			max	ms	18
		Closing NC			
			min	ms	17
			max	ms	26
		Opening NC			
			min	ms	7
			max	ms	17
	in DC				
		Closing NO	min	ms	18
			max	ms	25
		Opening NO			
		1 0	min	ms	2
			max	ms	3
		Closing NC			
			min	ms	3
		• • • • •	max	ms	5
		Opening NC			44
			min	ms	11
UL technical data			max	ms	17
Full-load current (FLA)	for three-phase AC	motor			
			at 480V	А	4.8
			at 600V	A	3.9
Yielded mechanical pe	rformance				
	for single-phase AC	C motor			
			110/120V	HP	0.3
			230V	HP	1
	for three-phase AC	motor			
			200/208V	HP	1.5
			220/230V	HP	2
			460/480V	HP	3
			575/600V	HP	3

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General USE				
General USE	Contactor			
	Contactor	AC current	А	16
Short-circuit protection	on fuse 600V		7	10
	High fault			
	i light ladit	Short circuit current	kA	100
		Fuse rating	A	30
		Fuse class	,,	J
	Standard fault			
		Short circuit current	kA	5
		Fuse rating	A	30
Contact rating of auxi	iliary contacts according to UL			A600 - Q600
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50
		max	°Č	+70
	Storage temperature		•	
		min	°C	-60
		max	°Č	+80
Max altitude			m	3000
Resistance & Protect	tion			
Pollution degree				3
Dimensions				
$\begin{array}{c} 44 \\ 4.4 \\ (1.73'') \\ (0.17'') \\ \textcircled{(}0.17'') \\ \textcircled{(}0.13'') \\ \end{matrix}{(}0.13'') \\ \textcircled{(}0.13'') \\ \textcircled{(}0.13'') \\ \end{matrix}{(}0.13'') \\ \textcircled{(}0.13'') \\ \end{matrix}{(}0.13'') \\ \end{matrix}{(}$	(2.24") (2.24") (2.24") (2.24")	44 (1.73") (1.73") (0.12" (0.12"	(2.28") 5	57 24") RF9
A1 A1 A2 A2 Certifications and cor Compliance				
	CSA C22.2 n° 60947-1			

CSA C22.2 n° 60947-4-1



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IEC/EN 60947-1 IEC/EN 60947-4-1
IEC/EN 60947-4-1
UL 60947-1
UL 60947-4-1
Certificates
CCC
cULus
EAC
ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching