



Product designation Product type designation			Power contactor BG06
Contact characteristics			BG00
Number of poles		nr.	3
Rated insulation voltage Ui IEC/EN		V	690
Rated impulse withstand voltage Uimp		kV	6
Operational frequency			0
	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith		А	16
Operational current le			
•	AC-1 (≤40°C)	А	16
	AC-3 (≤440V ≤55°C)	А	6
	AC-4 (400V)	А	3.3
Rated operational power AC-3 (T≤55°C)			
	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
IEC max current le in DC1 with $L/R \le 1$ ms with 1 poles in series			
	≤24V	А	9
	48V	A	8
	75V	A	4
	110V	A	3
	220V	A	-
IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series			
	≤24V	A	12
	48V	A	11
	75V	A	7
	110V	A	6
$I_{P}$ may correct to in DC4 with $1/D < 4$ may with 2 notes in corrigo	220V	A	_
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series	<041/	۸	4.4
	≤24V	A	14
	48V 75V	A A	14 8
	110V	A	o 8
	220V	A	o 1
	2200	А	1

## IEC max current le in DC1 with $L/R \le 1$ ms with 4 poles in series

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	≤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	A	_
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series			
	≤24V	А	7
	48V	A	7
	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	~	-
The max current le in DC3-DC5 with $L/R \leq 15$ ms with 5 poles in series	<241/	۸	0
	≤24V 48V	A	9
		A	9
	75V	A	5
	110V	A	4
	220V	А	0,5
IEC max current le in DC3-DC5 with L/R $\leq$ 15ms with 4 poles in series			
	≤24V	А	-
	48V	А	-
	75V	А	-
	110V	А	-
	220V	A	-
Short-time allowable current for 10s (IEC/EN60947-1)		Α	96
Protection fuse			
	gG (IEC)	А	16
	aM (IEC)	А	6
Making capacity (RMS value)		А	92
Breaking capacity at voltage			
	440V	А	72
	500V	А	72
	690V	А	72
Resistance per pole (average value)		mΩ	10
Power dissipation per pole (average value)			
· · · · · · · · · · · · · · · · · · ·			
	lth	W	2.6
	lth AC3	W	2.6 0.36
Tightening torque for terminals	lth AC3	W W	2.6 0.36
Tightening torque for terminals	AC3	W	0.36
Tightening torque for terminals	AC3 min	W Nm	0.36
Tightening torque for terminals	AC3 min max	W Nm Nm	0.36 0.8 1
Tightening torque for terminals	AC3 min max min	W Nm Nm Ibin	0.36 0.8 1 0.59
	AC3 min max	W Nm Nm	0.36 0.8 1
Tightening torque for terminals	AC3 min max min max	W Nm Ibin Ibin	0.36 0.8 1 0.59 0.74
	AC3 min max min max min	W Nm Ibin Ibin	0.36 0.8 1 0.59 0.74 0.8
	AC3 min max min max min max	W Nm Ibin Ibin Ibin	0.36 0.8 1 0.59 0.74 0.8 1
	AC3 min max min max min max min	W Nm Ibin Ibin Ibin Nm Ibft	0.36 0.8 1 0.59 0.74 0.8 1 0.8
	AC3 min max min max min max	W Nm Ibin Ibin Ibin	0.36 0.8 1 0.59 0.74 0.8 1



Conductor section

Conductor section				
Flex	kible w/o lug conductor section			
		min	mm²	0.75
		max	mm²	2.5
Flex	kible c/w lug conductor section			
		min	mm²	1.5
		max	mm²	2.5
Flex	kible with insulated spade lug conductor section			
		min	mm²	1.5
		max	mm²	2.5
Power terminal protection ad	ccording to IEC/EN 60529			IP20 when wired
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rail
Fixing				35mm
Weight			g	180
Auxiliary contact characterist	tics			
Type of contact				1 NO
Thermal current Ith			А	10
IEC/EN 60947-5-1 designat	ion			A600 - Q600
Operating current AC15				
		230V	А	3
		400V	А	1.9
		500V	А	1.4
Operating current DC12				
		110V	А	2.9
Operating current DC13				
1 5		24V	А	2.9
		48V	A	1.4
		60V	А	1.2
		110V	A	0.6
		125V	А	0.55
		220V	А	0.3
		600V	А	0.1
Operations				
Mechanical life			cycles	20000000
Electrical life			cycles	500000
Safety related data			-,	
Performance level B10d acc	cording to EN/ISO 13489-1			
	<b>5</b>	rated load	cycles	500000
	n	nechanical load	cycles	20000000
Mirror contats according to I			.,	yes
EMC compatibility				Yes
Rated AC voltage at 60Hz			V	120
AC coil operating			v	.20
AC operating voltage				
	0Hz coil powered at 60Hz			
	pick-up			
	μισκ-αμ	min	%Us	75
		max	%Us %Us	115
	drop-out	Παλ	/005	110
	ulop-out			



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			min	%Us	20
			max	%Us	55
AC average coil con	sumption at 20°C				
-		powered at 50Hz			
		-	in-rush	VA	30
			holding	VA	4
	of 50/60Hz coil	powered at 60Hz			
			in-rush	VA	25
			holding	VA	3
	of 60Hz coil pov	wered at 60Hz			
			in-rush	VA	30
			holding	VA	4
Dissipation at holding	_			W	0.95
Max cycles frequenc					
Mechanical operatior	ו			cycles/h	3600
Operating times					
Average time for Us					
	in AC				
		Closing NO			
			min	ms	12
		<b>a</b>	max	ms	21
		Opening NO			
			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			0
			min	ms	2
			max	ms	3
		Closing NC			2
			min	ms	3
			max	ms	5
		Opening NC		ma	11
			min	ms ms	11 17
UL technical data			max	ms	17
Full-load current (FL	A) for three-phase	AC motor			
	$\gamma \gamma 101 \alpha 100 - \rho 1030 / \rho$				4.8
	, ,		2t //08/\/	Δ	
	, ,		at 480V at 600V	A A	
Vielded mechanical			at 480V at 600V	A A	4.8 3.9
Yielded mechanical	performance	AC motor			
Yielded mechanical		e AC motor	at 600V	A	3.9
Yielded mechanical	performance	e AC motor	at 600V 110/120V	A HP	<u>3.9</u> 0.3
Yielded mechanical	performance for single-phase		at 600V	A	3.9
Yielded mechanical	performance		at 600V 110/120V 230V	A HP HP	3.9 0.3 1
Yielded mechanical ı	performance for single-phase		at 600V 110/120V	A HP	3.9 0.3

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460/480V ΗP 3 575/600V ΗP 3 General USE Contactor AC current А 16 Short-circuit protection fuse, 600V High fault Short circuit current 100 kΑ Fuse rating 30 А Fuse class J Standard fault 5 Short circuit current kΑ Fuse rating А 30 A600 - Q600 Contact rating of auxiliary contacts according to UL Ambient conditions Temperature Operating temperature °C -40 min °C 60 max Storage temperature °C -55 min 70 °C max Max altitude 3000 m Resistance & Protection Pollution degree 3 Dimensions 4.4 44 (2.24") — 57 — (2.24") (1.73) 4.4-58 (2.28") 28, ..... 94.2 머머 - 34.9 - (1.37") 8.5 (0.33 3.2 - 9.7 (0.38") 34.9 RF...9 (0.12") (1.37") 8.5 (0.33 - 7.6 Г 89.2 (0.30") 8.5 (0.33 - 44 -(1.73") (3.51") Wiring diagrams L1 L2 L3 13 A1 3 5

## Certifications and compliance Compliance

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Τ1

4

T2

A2

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T3



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	CSA C22.2 n° 60947-1	
	CSA C22.2 n° 60947-4-1	
	IEC/EN 60947-1	
	IEC/EN 60947-4-1	
	UL 60947-1	
	UL 60947-4-1	
Certificates		
	000	
	cULus	
	EAC	
ETIM classification		
		EC000066 -

**ETIM 8.0** 

EC000066 -Power contactor, AC switching