

Product designation Power contactor Product type designation **BG06** Contact characteristics Nr. 3 Number of poles Rated insulation voltage Ui IEC/EN V 690 kV Rated impulse withstand voltage Uimp 6 **Operational frequency** Hz 25 min Hz 400 max IEC Conventional free air thermal current Ith 16 А Operational current le AC-1 (≤40°C) А 160 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 8 А 75V А 4 110V А 3 220V А _ IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series ≤24V А 12 48V А 11 75V А 7 110V А 6 220V А IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V А 14 48V А 14 75V А 8 110V A 8 220V А 1

IEC max current le in DC1 with L/R ≤ 1ms 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 \leq 15ms with 1 poles in series			
	≤24V	А	6
	48V	A	5
	75V	A	2
	110V	A	1
	220V	A	_
IEC max current le in DC3-DC5 with L/R \leq 15ms with 2 poles in series	2201	7	
	≤24V	А	7
	48V	A	7
	48V 75V	A	4
	110V	A	3
IFO many surgest to in DO2 DO5 with 1/D < 45mm with 2 males in series	220V	A	_
IEC max current le in DC3-DC5 with L/R \leq 15ms with 3 poles in series	-0.04		<u> </u>
	≤24V	A	9
	48V	Α	9
	75V	Α	5
	110V	Α	4
	220V	A	0,5
IEC max current le in DC3-DC5 with L/R \leq 15ms with 4 poles in series			
	≤24V	А	-
	48V	А	-
	75V	Α	-
	110V	Α	-
	220V	Α	_
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	A	72
	690V	A	72
Resistance per pole (average value)		mΩ	10
Power dissipation per pole (average value)			
	Ith	W	2.6
	AC3	W	0.36
Tightening torque for terminals	AUS	vv	0.00
	!	N lun-	0.0
	min	Nm	0.8
	max	Nm	1
	min	lbin	0.59
		lbin	0.74
	max		
Tightening torque for coil terminal			
Tightening torque for coil terminal	max min	Nm	0.8
Tightening torque for coil terminal	min max	Nm Nm	1
Tightening torque for coil terminal	min	Nm	
Tightening torque for coil terminal	min max	Nm Nm	1



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Conductor section				
	AWG/Kcmil			
		max		12
	Flexible w/o lug conductor section			0.75
		min	mm²	0.75
	Flexible c/w lug conductor section	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	Παλ	111111	2.0
	The side with insulated space by conductor section	min	mm²	1.5
		max	mm²	2.5
Power terminal protect	ction according to IEC/EN 60529	max		IP20 when wired
Mechanical features				
Operating position				
- 1		normal		Vertical plan
		allowable		±30°
				Screw / DIN rail
Fixing				35mm
Weight			g	230
Conductor section				
	AWG/kcmil conductor section			
		max		12
Auxiliary contact char	acteristics			
Thermal current Ith			А	10
IEC/EN 60947-5-1 de	-			A600 - Q600
Operating current AC	15			
		230V	A	3
		400V	A	1.9
		500V	A	1.4
Operating current DC	12			
		110V	A	2.9
Operating current DC	13			
		24V	A	2.9
		48V	A	1.4
		60V	A	1.2
		110V 125V	A	0.6
		125V 220V	A	0.55
		220V 600V	A A	0.3 0.1
Operations		0000	A	0.1
Mechanical life			cycles	20000000
Electrical life			cycles	500000
Safety related data			0,0103	500000
-	0d according to EN/ISO 13489-1			
	-	rated load	cycles	500000
		anical load	cycles	20000000
Mirror contats accord	ing to IEC/EN 609474-4-1		5,000	yes
EMC compatibility				yes
DC coil operating				,
DC rated control volta			V	24
DC operating voltage			•	_ ·

pick-up

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Three-pole contactor, IEC operating current le (AC3) = 6A, DC coil, 24VDC, 1NO auxiliary contact

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			min	%Us	75
			max	%Us	115
	drop-out				
			min	%Us	10
			max	%Us	25
Average coil consum	ption ≤20°C				
			in-rush	W	3.2
			holding	W	3.2
Max cycles frequency				ovoloo/b	2600
Mechanical operation				cycles/h	3600
Operating times	ontrol				
Average time for Us o	in AC				
	III AC	Closing NO			
			min	ms	12
			max	ms	21
		Opening NO	Παλ	113	<u>~</u> I
			min	ms	9
			max	ms	9 18
		Closing NC	max	113	.0
			min	ms	17
			max	ms	26
		Opening NC			
		- p	min	ms	7
			max	ms	17
	in DC				
		Closing NO			
		3	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			
			min	ms	11
			max	ms	17
JL technical data					
Full-load current (FLA	 A) for three-phase A 	C motor			
			at 480V	А	4.8
			at 600V	A	3.9
Yielded mechanical p					
	for single-phase	AC 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
General USE	_				
	Contactor				16
			AC current	А	

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ENERGY AND AUTOMATION

Short-circuit protectio				
	High fault			100
		Short circuit current	kA	100
		Fuse rating	А	30
	Oten dend foult	Fuse class		J
	Standard fault	Chart circuit current	ĿΛ	F
		Short circuit current Fuse rating	kA A	5 30
Contact rating of auxil	lian, contacts conording to LI	Fuse failing	A	A600 - Q600
Ambient conditions	liary contacts according to UL			A600 - Q600
Temperature				
remperature	Operating temperature			
	Operating temperature	min	°C	-50
		max	°C	+70
	Storage temperature	Пах	0	110
	Olorage temperature	min	°C	-60
		max	°C	+80
Max altitude			 m	3000
Resistance & Protect	ion			5000
Pollution degree				3
Dimensions				-
44 (1.73") (0.17")		(1.73") (⁵ , ⁶)		
(0.33 [°]) (0.33 [°])	0 0 0 0 0 0 0 0 0 0 0 0 0 0	3.2 (1.73")	(228)	RF9 9 9 9
A1	$\begin{bmatrix} 1 & 1 & 1 & 2 & 1 & 3 & 5 & 1 & 3 \\ 1 & 3 & 5 & 1 & 3 & 4 & - & - & - & - & - & - & - & - & -$			
Certifications and con Compliance	npliance <u>CSA C22.2 n° 60947-1</u> <u>CSA C22.2 n° 60947-4-1</u> IEC/EN 60947-1			
	IEC/EN 60947-4-1			

UL 60947-1

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	UL 60947-4-1	
Certificates		
	CCC	
	cULus	
	EAC	
ETIM classification	n	
		EC000066 -

ETIM 8.0

-0000066 Power contactor, AC switching