



Product designation			Power contactor
Product type designation Contact characteristics			BG06
		r	2
Number of poles		nr. V	3
Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp		kV	690 6
		KV	0
Operational frequency			05
	min	Hz	25
IFO Operation of free single and a summer life	max	Hz	400
IEC Conventional free air thermal current Ith		Α	16
Operational current le			10
	AC-1 (≤40°C)	A	16
	AC-3 (≤440V ≤55°C)	A	6
	AC-4 (400V)	A	3.3
Rated operational power AC-3 (T≤55°C)	0001/		
	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	A	9
	48V	А	8
	75V	А	4
	110V	А	3
	220V	A	_
IEC 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	A	_
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	А	8
	220V	A	1

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



	≤24V	А	_
	48V	А	-
	75V	А	-
	110V	А	-
	220V	Α	_
IEC max current le in DC3-DC5 with L/R $\leq$ 15ms with 1 poles in series			
	≤24V	А	6
	48V	Α	5
	75V	А	2
	110V	А	1
	220V	A	-
IEC max current le in DC3-DC5 with L/R $\leq$ 15ms with 2 poles in series			
	≤24V	A	7
	48V	A	7
	75V	A	4
	110V	А	3
	220V	A	-
IEC max current le in DC3-DC5 with L/R $\leq$ 15ms with 3 poles in series			_
	≤24V	A	9
	48V	Α	9
	75V	A	5
	110V	А	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	A	-
	75V	A	_
	110V	A	_
	220V	A	-
Short-time allowable current for 10s (IEC/EN60947-1)		Α	96
Protection fuse		^	10
	gG (IEC)	A	16
Making consoits (DMC value)	aM (IEC)	<u>A</u>	6
Making capacity (RMS value)		A	92
Breaking capacity at voltage	4 4 0 1 /	^	70
	440V 500V	A A	72 72
	500V 690V		72
Resistance per pole (average value)	690 v	A mΩ	10
		11152	10
Power dissipation per pole (average value)		147	2.6
	Ith AC3	W W	2.6
Tightening torque for terminals	AUS	٧V	0.36
rightening lorque for terriniais	min	Nm	0.8
	min	Nm	0.8 1
	max min	Ibin	0.59
	max	Ibin	0.59
Tightening torque for coil terminal	Παλ		0.74
	min	Nm	0.8
		Nm	0.8 1
	max min	lbft	0.8
		Ibri	0.8
Max number of wires simultaneously connectable	max		2
wax number of whes simulaneously connectable		nr.	۷



Conductor section

Conductor section				
	Flexible w/o lug conductor section			
		min	mm²	0.75
		max	mm²	2.5
	Flexible c/w lug conductor section			
	<u> </u>	min	mm²	1.5
		max	mm²	2.5
	Flexible with insulated spade lug conductor section			
		min	mm²	1.5
		max	mm²	2.5
Power terminal protect	ction according to IEC/EN 60529			IP20 when wired
Mechanical features				
Operating position				
operating peetiteri		normal		Vertical plan
		allowable		±30°
		allowable		Screw / DIN rail
Fixing				35mm
Weight			a	185
Auxiliary contact chara			g	100
				1 NO
Type of contact			•	
Thermal current Ith			Α	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	Α	2.9
		48V	А	1.4
		60V	А	1.2
		110V	А	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			ý	
	0d according to EN/ISO 13489-1			
	<b>G</b>	rated load	cycles	500000
	m	echanical load	cycles	20000000
Mirror contats accord	ing to IEC/EN 609474-4-1		0,000	yes
EMC compatibility				Yes
Rated AC voltage at 6			V	220
			v	220
AC coil operating				
AC operating voltage	of COLIE and new rest of COLIE			
	of 60Hz coil powered at 60Hz			
	pick-up	<u>.</u>	o	
		min	%Us	75
		max	%Us	115
	drop-out			



			min	%Us	20
			max	%Us	55
AC average coil cons	umption at 20°C			,	
AC average con cons		noward at COLL			
	OF 50/60HZ COII	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 po	wered at 60Hz	0_		
	01 001 12 0011 p0		in-rush	VA	30
<u></u>			holding	VA	4
Dissipation at holding				W	0.95
Max cycles frequency	/				
Mechanical operation				cycles/h	3600
Operating times					
Average time for Us o	control				
	in AC				
		Closing NO			10
			min	ms	12
			max	ms	21
		Opening NO			
			min	ms	9
			max	ms	18
		Closing NC			
		Closing ite	min	ms	17
					26
			max	ms	20
		Opening NC			
			min	ms	7
			max	ms	17
	in DC				
		Closing NO			
		5	min	ms	18
			max	ms	25
		Opening NO	max	1115	20
		Opening NO			0
			min	ms	2
			max	ms	3
		Closing NC			
			min	ms	3
			max	ms	5
		Opening NC			
			min	ms	11
			max	ms	17
			max	1115	17
UL technical data					
Full-load current (FLA	) for three-phase	AC motor			
			at 480V	А	4.8
			at 600V	Α	3.9
Yielded mechanical p	erformance				
- 1	for single-phas	e AC motor			
	ioi olingio prido		110/120V	HP	0.3
	-		230V	HP	1
	for three-phase	AC motor			
			200/208V	HP	1.5
			220/230V	HP	2

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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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T1

4

T2

A2

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T3



	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		
	<u>CCC</u>	
	cULus	
	EAC	
ETIM classification		
		EC000066 -

**ETIM 8.0** 

EC000066 -Power contactor, AC switching