



Product designation Power contactor Product type designation **BG06** Contact characteristics 3 Number of poles nr. Rated insulation voltage Ui IEC/EN V 690 Rated impulse withstand voltage Uimp kV 6 **Operational frequency** min Hz 25 Hz 400 max Conventional free air thermal current Ith IEC/EN 16 А 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-1 (T≤40°C) 230V kW 6 400V kW 10 500V kW 13 690V kW 18 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 Short-time allowable current for 10s (IEC/EN60947-1) 96 А Protection fuse gG (IEC) А 16 aM (IEC) А 6 Making capacity (RMS value) А 92 Breaking capacity at voltage 440V А 72 500V 72 А 690V А 72 Resistance per pole (average value) mΩ 10 Power dissipation per pole (average value) lth W 2.6 AC3 W 0.36 Tightening torque for terminals min Nm 0.8 max Nm 1

Tightening torque for coil terminal

lbin

lbin

min max 0.59

0.74



11BG0601A230 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 6A, AC COIL 50/60HZ, 230VAC, 1NC AUXILIARY CONTACT

	min	Nm	0.8
	max	Nm	1
	min	lbft	0.8
	max	lbft	0.74
	simultaneously connectable	nr.	2
Conductor section			
	AWG		
	/kcmil min		18
	/kcmil max		12
	Flexible w/o lug conductor section		
	min	mm²	0.75
	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		
	min	mm²	1.5
	max	mm²	2.5
	ction according to IEC/EN 60529		IP20 when wired
Auxiliary contact chara	acteristics		
Type of contact			1 NC
Thermal current Ith		А	10
IEC/EN 60947-5-1 de	esignation		A600 - Q600
Operational current le	e AC-1 (≤40°C)	Α	16
Operating current AC	15		
	230V	А	3
	400V	А	1.9
	500V	А	1.4
Operating current DC			
	110V	А	2.9
Operating current DC			
opoloung content 2 c	24V	А	2.9
	48V	A	1.4
	60V	A	1.1
			Screw / DIN rail
	110V	A	35mm
	125V	А	0.3
	220V	A	0.1
	600V	A	0.6
Ambient conditions			
Temperature			
	Operating temperature		
	min	°C	-40
	max	°Č	60
	Storage temperature		
	min	°C	-55
	max	°C	70
Max altitude	Пах	 	3000
Operational position			0000
	Operating position permal		Vortical plan
	Operating position normal Operating position allowable		Vertical plan ±30°
	Operating position allowable		±30° Screw / DIN rail
Fixing			35mm
Woight		~	0.18
Weight		g	0.10

11BG0601A230 The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



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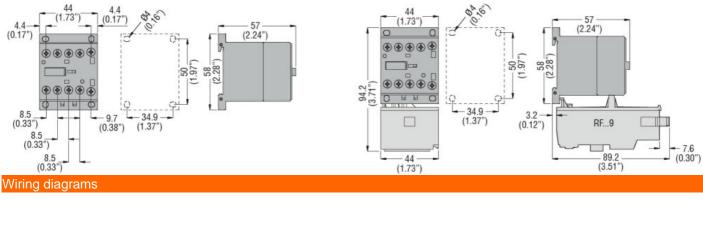
Operations Mechanical life 20000000 Cycles Electrical life 500000 Cycles Safety related data Performance level B10d according to EN/ISO 13489-1 Cicli 500000 rated load mechanical load Cicli 20000000 Mirror contats according to IEC/EN 609474-4-1 yes EMC compatibility yes AC coil operating AC operating voltage of 50/60Hz coil powered at 50Hz pick-up %Us 0.75 min %Us 1.15 max drop-out %Us 0.2 min max %Us 0.55 of 50/60Hz coil powered at 60Hz pick-up %Us 0.8 min max %Us 1.15 drop-out min %Us 0.2 %Us 0.55 max of 60Hz coil powered at 60Hz pick-up min %Us 0.75 max %Us 1.15 drop-out min %Us 0.2 max %Us 0.55 AC operating voltage of 50/60Hz coil powered at 50Hz in-rush VA 30 holding VA 4 of 50/60Hz coil powered at 60Hz VA 25 in-rush holding VA 3 of 60Hz coil powered at 60Hz VA 30 in-rush holding VA 4 Dissipation at holding ≤20°C 50Hz W 0.95 DC coil operating DC operating voltage Average coil consuption ≤20°C Average coil consumption ≤20°C in-rush W 3.2 Average coil consumption ≤20°C holding W 3.2 Max cycles frequency Mechanical operations Cycles/h 3600 Operating times Average time for Us control in AC

Closing NO

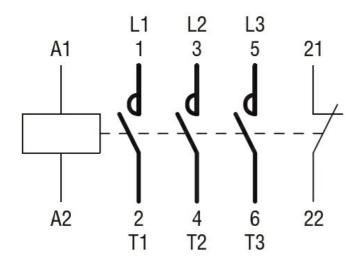
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	min	ms	12
	max	ms	21
	Opening NO		
	min	ms	9
	max	ms	18
	Closing NC		
	min	ms	17
	max	ms	26
	Opening NC		
	min	ms	7
	max	ms	17
JL technical data			
Full-load current (FLA) for three-phase AC mo	tor		
	at 480V	А	4.8
	at 600V	A	3.9
vielded mechanical performance for			- • •
for single-phase AC m	notor		
	Yielded mechanical performance 110/120V	hp	0.3
	Yielded mechanical performance 230V	hp	1
for three-phase AC mo		אי י	·
	Yielded mechanical performance 200/208V	hp	1.5
	Yielded mechanical performance 220/230V	-	2
	Yielded mechanical performance 460/480V	•	3
	Yielded mechanical performance 575/600V	•	3
Contact rating of auxiliary contacts according to		ЧЧ	A600 - Q600
Seneral USE			
Contactor		^	10
	AC current	A	16
Other features			<u>^</u>
Pollution degree			3
Dimensions			
(1.73") (0.17") (0.5°	(1.73") (^b , 6)		57
4.4	(1.73")		57 24")







Certifications and compliance

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Certification	15

Certifications	
	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
Compliance	
	CCC
	cULus
	EAC
ETIM 6 classification	

EC000066 - Power contactor, AC switching