



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		A	16
Operational current le			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)			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
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	А	12
	48V	A	11
	75V	A	7
	110V	A	6
	220V	A	_
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series	2201		
	≤24V	А	14
	5/40		
			14
	≤24∨ 48V 75V	A A	14 8



**11BG0610A57560** THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 6A, AC COIL 60HZ, 575VAC, 1NO AUXILIARY CONTACT

## 220V А 1 IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series ≤24V А 48V А \_ 75V A \_ 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 2 A 110V А 1 220V А \_ IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series ≤24V A 7 48V 7 А 75V А 4 3 110V А 220V А \_ IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series ≤24V А 9 48V 9 А 75V 5 A 110V А 4 220V 0,5 А IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series ≤24V А \_ 48V А 75V А \_ 110V А \_ 2201/

	220V	A	-
Short-time allowable current for 10s (IEC/EN60947-1)		А	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)			
	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

lbin

9



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Max number of wires	simultaneously connectable	max	Ibin Nr.	9
Conductor section			INI.	2
	AWG/Kcmil			
	AWO/Remin	max		12
	Flexible w/o lug conductor section	Пах		12
		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	n		
		min	mm²	1.5
		max	mm²	2.5
Dower terminal protec	ption according to IEC/EN 60520			IP20 when
Power terminal protec	ction according to IEC/EN 60529			properly wired
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rai
				35mm
Weight			g	182
Conductor section				
	AWG/kcmil conductor section			
A difference of the last	and a start of	max		12
Auxiliary contact chara Thermal current Ith			٨	10
	ncignation		A	A600 - Q600
IEC/EN 60947-5-1 de	•			A600 - Q600
Operating current AC	15	2201/	٨	2
		230V 400V	A	3 1.9
		400V 500V	A A	1.9
Operating current DC	10	5007	A	1.4
	12	110V	А	2.9
Operating current DC	12	1100	A	2.9
Operating current DC	13	241/	۸	2.0
		24V 48V	A A	2.9 1.4
		48V 60V	A	1.4
		110V	A	0.6
		125V	A	0.55
		220V	A	0.3
		600V	A	0.1
Operations				
Mechanical life			cycles	20000000
Electrical life			cycles	500000
Safety related data			2, 5.00	
	0d according to EN/ISO 13489-1			
Performance level B1		rated load	cycles	500000
Performance level B1			-	
Performance level B1		mechanical load	cvcles	20000000
		mechanical load	cycles	20000000 ves
	ing to IEC/EN 609474-4-1	mechanical load	cycles	20000000 yes yes

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11BG0610A57560 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 6A, AC COIL 60HZ,

575VAC, 1NO AUXILIARY CONTACT

Rated AC voltage at	60Hz			V	575
AC operating voltag	е				
	of 60Hz coil pow				
		pick-up	_		
			min	%Us	75
		drop out	max	%Us	115
		drop-out	min	%Us	20
			max	%Us	55
AC average coil cor	sumption at 20°C		Пах	/003	55
to avoiago con cor	of 50/60Hz coil p	owered at 50Hz			
	0. 00/00. <u>-</u> 00 p		in-rush	VA	30
			holding	VA	4
	of 50/60Hz coil p	oowered at 60Hz			
			in-rush	VA	25
			holding	VA	3
	of 60Hz coil pow	vered at 60Hz			
			in-rush	VA	30
			holding	VA	4
Dissipation at holdin				W	0.95
Max cycles frequend					0.000
Mechanical operatio	n			cycles/h	3600
Operating times	control				
Average time for Us	in AC				
	III AC	Closing NO			
			min	ms	12
			max	ms	21
		Opening NO		mo	
			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		-	4.0
			min	ms ms	18 25
		Opening NO	max	ms	25
			min	ms	2
			max	ms	3
		Closing NC	max		-
			min	ms	3
			max	ms	5
		Opening NC			
			min	ms	11
			min max	ms ms	11 17
JL technical data					
UL technical data Full-load current (FL	A) for three-phase A		max		
	A) for three-phase A				

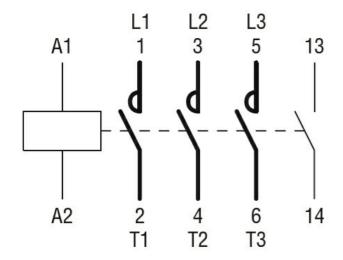
11BG0610A57560 The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



Yielded mechanica	al performance			
	for single-phase AC motor			
	0	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			
		AC current	А	16
Short-circuit protect	ction fuse, 600V			
	High fault			
		Short circuit current	kA	100
		Fuse rating	А	30
		Fuse class		J
	Standard fault			
		Short circuit current	kA	5
		Fuse rating	А	30
Contact rating of a	uxiliary contacts according to UL			A600 - Q600
Ambient conditions	6			
Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	+70
	Storage temperature			
		min	°C	-60
		max	°C	+80
Max altitude			m	3000
Resistance & Prote	ection			
Pollution degree				3
Dimensions				
(1.73") (0.	4.4 17") \$\$	(1.73") (1.73")		
4.4 (0.17") (0.			(2	57 
	(2.24")		3	
* * * * * *			(2.28")	-
	[1.97"] [1.97"] [2.28"]		5	
<b>@@@@</b> @				
		3.2 (1.37") (0.12"	-	
(0.33) (0.3	.7 - 34.9 - 38") (1.37")	(1.37) (0.12"	)	RF9
8.5 (0.33")		·	L_	89.2 - 7.6 (0.30")
8.5 (0.33")		(1.73")	La	
Wiring diagrams		A second de		

Wiring diagrams





## Certifications and compliance

## Compliance

Compliance	
	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	
	CCC
	cULus
	EAC
ETIM classification	

ETIM 8.0

EC000066 -Power contactor, AC switching