

•	
100	99999
No.	

Product type designation			Power contactor 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		А	16
Operational current le			
	AC-1 (≤40°C)	А	16
	AC-1 (≤55°C)	А	14
	AC-1 (≤70°C)	А	12
	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	A	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	.0.01		
	≤24V	A	12
	48V	A	11
	75V	A	7
	110V	A	6
IFC may autrent to in DC4 with 1/D < 4ms with 0 mstar in a st	220V	A	_
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series	20.417		4.4
	≤24V	A	14
	48V	A	14
	75V	A	8
	110V	A	8



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MINICONTACTEUR, BG0610A, 3P+1NO, 6A AC3, 230V 50/60HZ

	220V	А	1
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
	≤24V	А	_
	48V	А	_
	75V	А	_
	110V	А	_
	220V	A	_
IEC max current le in DC3-DC5 with L/R ≤ 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
	75V 110V	A	4 3
	220V		
	2200	A	_
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 3 poles in series			0
	≤24V	A	9
	48V	A	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	А	_
	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)			-
	lth	W	2.6
	AC-3	W	0.36
Tightening torque for terminals		vv	0.00
	min	Nm	0.8
		Nm	0.8 1
	max	Ibin	
	min		9
Tightoning torque for coll torminal	max	lbin	9
Tightening torque for coil terminal		N 1.	0.0
	min	Nm	0.8
	max	Nm	1
	min	lbin	9



Max number of wires simultaneously connectable Conductor section AWG/Kcmil Flexible w/o lug conductor section Flexible c/w lug conductor section Flexible with insulated spade lug conductor section	max min max	Nr. mm² mm²	2
AWG/Kcmil Flexible w/o lug conductor section Flexible c/w lug conductor section	min		12
Flexible w/o lug conductor section Flexible c/w lug conductor section	min		12
Flexible c/w lug conductor section	min		12
Flexible c/w lug conductor section			
			0.75
	IIIdx		2.5
			2.0
Flexible with insulated spade lug conductor section	min	mm²	1.5
Flexible with insulated spade lug conductor section	max	mm²	2.5
			2.0
	min	mm²	1.5
	max	mm²	2.5
			IP20 when
Power terminal protection according to IEC/EN 60529			properly wired
Mechanical features			
Operating position			
	normal		Vertical plan
	allowable		±30°
			Screw / DIN rai
Fixing			35mm
Weight		g	182
Conductor section			
AWG/kcmil conductor section			
	max		12
Auxiliary contact characteristics			
Thermal current Ith		А	10
IEC/EN 60947-5-1 designation			A600 - Q600
Operating current AC15			
	230V	А	3
	400V	Α	1.9
	500V	Α	1.4
Operating current DC12			
	110V	Α	2.9
Operating current DC13			
	24V	А	2.9
	48V	А	1.4
	60V	Α	1.2
	110V	А	0.6
	125V	А	0.55
	220V	А	0.3
	600V	А	0.1
Operations			
Mechanical life		cycles	2000000
Electrical life		cycles	500000
Safety related data			
Performance level B10d according to EN/ISO 13489-1			
	rated load	cycles	500000
	mechanical load	cycles	20000000
r Mirror contats according to IEC/EN 609474-4-1			yes

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MINICONTACTEUR, BG0610A, 3P+1NO, 6A AC3, 230V 50/60HZ

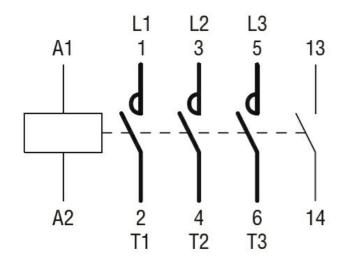


Rated AC voltage at 50	0/60Hz			V	230
AC operating voltage					
	of 50/60Hz coil powere				
		pick-up			
			min	%Us	75
		due a cost	max	%Us	115
		drop-out	min	%Us	20
			min	%Us %Us	20 55
	of 50/60Hz coil powere		max	/005	55
	or 50/00112 coil powere	pick-up			
		pick-up	min	%Us	80
			max	%Us	115
		drop-out	Шах	/003	110
			min	%Us	20
			max	%Us	55
C average coil consu	mption at 20°C			,	
	of 50/60Hz coil powere	ed at 50Hz			
			in-rush	VA	30
			holding	VA	4
	of 50/60Hz coil powere	ed at 60Hz			
	· · · · · · · · · · · · · · · · · · ·		in-rush	VA	25
			holding	VA	3
	of 60Hz coil powered a	at 60Hz	ŭ		
			in-rush	VA	30
			holding	VA	4
Dissipation at holding :	≤20°C 50Hz			W	0.95
Max cycles frequency					
A I					
viechanical operation				cycles/h	3600
				cycles/h	3600
Operating times	ontrol			cycles/h	3600
Operating times	ontrol in AC			cycles/h	3600
Operating times		Closing NO		cycles/h	3600
Operating times		Closing NO	min	cycles/h ms	12
Operating times		-	min max		
Operating times		Closing NO Opening NO	max	ms ms	12 21
Operating times		-	max	ms ms ms	12 21 9
Operating times		Opening NO	max	ms ms	12 21
Operating times		-	max min max	ms ms ms ms	12 21 9 18
Operating times		Opening NO	max min max min	ms ms ms ms ms	12 21 9 18 17
Operating times		Opening NO Closing NC	max min max	ms ms ms ms	12 21 9 18
Operating times		Opening NO	max min max min max	ms ms ms ms ms	12 21 9 18 17 26
Operating times		Opening NO Closing NC	max min max min max min	ms ms ms ms ms ms	12 21 9 18 17 26 7
Operating times	in AC	Opening NO Closing NC	max min max min max	ms ms ms ms ms	12 21 9 18 17 26
Operating times		Opening NO Closing NC Opening NC	max min max min max min	ms ms ms ms ms ms	12 21 9 18 17 26 7
Operating times	in AC	Opening NO Closing NC	max min max min max min max	ms ms ms ms ms ms ms ms	12 21 9 18 17 26 7 17
Operating times	in AC	Opening NO Closing NC Opening NC	max min max min max min max min	ms ms ms ms ms ms ms	12 21 9 18 17 26 7 17 18
Operating times	in AC	Opening NO Closing NC Opening NC Closing NO	max min max min max min max	ms ms ms ms ms ms ms ms	12 21 9 18 17 26 7 17
Operating times	in AC	Opening NO Closing NC Opening NC	max min max min max min max	ms ms ms ms ms ms ms ms	12 21 9 18 17 26 7 17 17
Operating times	in AC	Opening NO Closing NC Opening NC Closing NO	max min max min max min max min max min	ms ms ms ms ms ms ms ms ms	12 21 9 18 17 26 7 17 17 18 25 2
Operating times	in AC	Opening NO Closing NC Opening NC Closing NO Opening NO	max min max min max min max	ms ms ms ms ms ms ms ms	12 21 9 18 17 26 7 17 17
Operating times	in AC	Opening NO Closing NC Opening NC Closing NO	max min max min max min max min max	ms ms ms ms ms ms ms ms ms ms	12 21 9 18 17 26 7 17 17 18 25 2 3
Mechanical operation Operating times Average time for Us co	in AC	Opening NO Closing NC Opening NC Closing NO Opening NO	max min max min max min max min max min	ms ms ms ms ms ms ms ms ms	12 21 9 18 17 26 7 17 17 18 25 2



	Opening	NC		
		min	ms	11
		max	ms	17
UL technical data				
Full-load current (FLA	 A) for three-phase AC motor 			
		at 480V	A	4.8
		at 600V	Α	3.9
Yielded mechanical p				
	for single-phase AC motor	110/1001		
		110/120V	HP HP	0.3
	for three phase AC motor	230V	HP	1
	for three-phase AC motor	200/208V	HP	1.5
		200/208V 220/230V	пР HP	2
		460/480V	HP	3
		575/600V	HP	3
General USE		010,0001		
	Contactor			
		AC current	А	16
Short-circuit protectio	n fuse, 600V			
·	High fault			
	Ũ	Short circuit current	kA	100
		Fuse rating	А	30
		Fuse class		J
	Standard fault			
		Short circuit current	kA	5
		Fuse rating	Α	30
_	liary contacts according to UL			A600 - Q600
Ambient conditions				
Temperature				
	Operating temperature		° ^	50
		min	°C °C	-50
	Storago tomporature	max	U	+70
	Storage temperature	min	°C	-60
		min max	С О°	-60 +80
Max altitude		mdx	 	3000
Resistance & Protect	ion		111	
Pollution degree				3
Dimensions				-
4.4 (0.17") (0.17") (0.17") (0.37") (0.33") (0.33") (0.33") (0.38") (0.38")	57 (2.24") (2.24") (1.37")	3.2 3.2 (1.37") 3.2 (0.12"	(2.28") 5	57 .24") RF9 9
8.5 (0.33")		(1.73")		
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