



Product designation			Power contactor
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		А	16
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-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)			0
	230V	kW	6
	400V	kW	10
	500V	kW	13
	690V	kW	18
IEC max current le in DC1 with L/R = 1ms with 1 poles in series	0001		10
	=24V	А	9
	48V	A	8
	48V 75V	A	4
	110V	A	3
	220V	A	-
IEC max current le in DC1 with L/R = 1ms with 2 poles in series	2201	Λ	
The max current le in DCT with L/K = This with 2 poles in series	=24V	А	12
	=24V 48V	A	12
	48V 75V	A	
	75V 110V	A	7 6
	220V		
IEC move our repet to in DC4 with 1/D 4 me with 2 palas in series	2200	A	_
IEC max current le in DC1 with $L/R = 1$ ms with 3 poles in series	0414	۸	1 1
	=24V	A	14
	48V	A	14
	75V	A	8
	110V	A	8
	220V	A	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	_
EC max current le in DC3-DC5 with L/R = 15ms with 1 poles in series			
·	=24V	А	6
	48V	А	5
	75V	А	2
	110V	А	1
	220V	A	_
IEC max current le in DC3-DC5 with L/R = 15ms with 2 poles in series			
	=24V	А	7
	48V	A	7
	48V 75V	A	4
	110V	A	3
	220V	A	-
EC max ourrant to in DC2 DCE with L/P - 15mg with 2 poles in sorias	220 V	A	—
EC max current le in DC3-DC5 with $L/R = 15$ ms with 3 poles in series	0414	۸	0
	=24V	A	9
	48V	A	9
	75V	A	5
	110V	A	4
	220V	A	0,5
IEC max current le in DC3-DC5 with $L/R = 15$ ms with 4 poles in series			
	=24V	A	-
	48V	А	-
	75V	А	-
	110V	А	-
	220V	Α	_
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)		m?	10
Power dissipation per pole (average value)			
	lth	W	2.6
	AC3	W	0.36
Tightening torque for terminals	A00	••	0.00
	min	Nm	0.8
	max	Nm	1
	min	lbin Ibin	9
	max	lbin	9
Tightening torque for coil terminal			
	min	Nm	0.8
	max	Nm	1
	min	lbin	9
Max number of wires simultaneously connectable		lbin Ibin Nr.	9 9 2



Conductor section

Conductor section				
	AWG/Kcmil			
		max		12
	Flexible w/o lug conductor section			
	Ū.	min	mm²	0.75
		max	mm²	2.5
	Flexible c/w lug conductor section			
	5	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	max		IP20 when wired
Mechanical features				II 20 WHEN WIREd
Operating position				
Operating position		normal		Vertical plan
		allowable		±30°
		allowable		
Fixing				Screw / DIN rail
				35mm
Weight			g	178
Conductor section				
	AWG/kcmil conductor section			
		max		12
Auxiliary contact chara	acteristics			
Thermal current Ith			A	10
IEC/EN 60947-5-1 de	-			A600 - Q600
Operating current AC	15			
		230V	А	3
		400V	А	1.9
		500V	А	1.4
Operating current DC	12			
		110V	А	2.9
Operating current DC	13			
		24V	А	2.9
		48V	А	1.4
		60V	А	1.2
		110V	A	0.6
		125V	A	0.55
		220V	A	0.3
		600V	A	0.1
Operations		0001	7.	
Mechanical life			cycles	20000000
Electrical life			cycles	500000
Safety related data			Cycles	500000
	0d according to EN/ISO 13489-1			
	ou according to LIV/130 13403-1	rotod las-	ovelee	500000
		rated load	cycles	500000
		nechanical load	cycles	2000000
	ing to IEC/EN 609474-4-1			yes
EMC compatibility				yes
AC coil operating				
Rated AC voltage at 6	60Hz		V	24
AC operating voltage				

of 60Hz coil powered at 60Hz

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pick-up			
	min	%Us	75
	max	%Us	115
drop-out			
	min	%Us	20
	max	%Us	55
AC average coil consumption at 20°C			
of 50/60Hz coil powered at 50Hz			
	in-rush	VA	30
	holding	VA	4
of 50/60Hz coil powered at 60Hz		\ /A	05
	in-rush	VA	25
of COLIZ and new and at COLIZ	holding	VA	3
of 60Hz coil powered at 60Hz	in-rush	VA	30
	holding	VA VA	4
Dissipation at holding =20°C 50Hz	noiding	W	0.95
Max cycles frequency		vv	0.80
Max cycles neglency Mechanical operation		cycles/h	3600
Operating times		cycles/II	
Average time for Us control			
in AC			
Closing NO			
	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
in DC			
Closing NO			10
	min	ms	18
	max	ms	25
Opening NO		~ ~	2
	min	ms ms	2 3
Closing NC	max	ms	J
	min	ms	3
	max	ms	5
Opening NC	max		~
	min	ms	11
	max	ms	17
UL technical data		_	
Full-load current (FLA) for three-phase AC motor			
	at 480V	А	4.8
	at 600V	A	3.9
Yielded mechanical performance			
for single-phase AC motor			
	110/120V	HP	0.3

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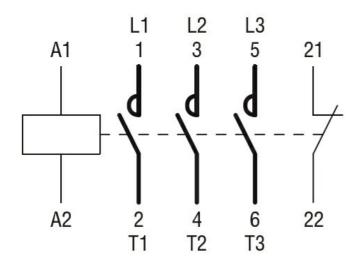


11BG0601A02460 THREE-POLE CONTACTOR, IEC OPERATING CU

IRRENT IE (AC3) = 6A, AC COIL 60HZ,
24VAC, INC AUXILIARY CONTACT

		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	A	16
Short-circuit protection				
	High fault	Chart size it surrout	1. 0	100
		Short circuit current	kA ^	100
		Fuse rating Fuse class	A	30
	Standard fault	ruse class		J
		Short circuit current	kA	5
		Fuse rating	A	30
Contact rating of auxi	liary contacts according to UL			A600 - Q600
Ambient conditions				
Temperature				
·	Operating temperature			
		min	°C	-50
		max	°C	+70
	Storage temperature			
		min	°C	-60
		max	°C	+80
Max altitude			m	3000
Resistance & Protect	tion			-
Pollution degree				3
Dimensions				
4.4 (0.17") (0.17") (0.17") (0.31") (0.33") (0.33") (0.33") (0.33") (0.33") (0.33") (0.33") (0.33")	34.9 (1.37")	44 (1.73") (0.12" (0.12"	(2.28") 50	57 24") RF9 7.6 89.2 (0.30")





Certifications and compliance

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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