



Product designation Product type designation		•	Power contactor BG06
Contact characteristics			2000
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		Α	16
Operational current le			
	AC-1 (≤40°C)	Α	16
	AC-1 (≤55°C)	Α	14
	AC-1 (≤70°C)	Α	12
	AC-3 (≤440V ≤55°C)	Α	6
	AC-4 (400V)	Α	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 ≤ 1ms with 1 poles in series			
	≤24V	Α	9
	48V	Α	8
	75V	Α	4
	110V	Α	3
	220V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series		_	
	≤24V	Α	12
	48V	Α	11 _
	75V	Α	7
	110V	A	6
150	220V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series	-0.01	Δ.	4.4
	≤24V	A	14
	48V	A	14
	75V	A	8
	110V	Α	8



	220V	Α	1
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series	220 V		
ILC max current le in DCT with L/K = 1ms with 4 poles in series	≤24V	۸	
	≤24 V 48 V	A A	_
	75V	A	_
	110V	A	_
			_
IFO many augment to in DOS DOS with 1 /D < 45 man with 4 nation in position	220V	A	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series	40 AV /		0
	≤24V	A	6
	48V	A	5
	75V	A	2
	110V	A	1
	220V	Α	-
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series			
	≤24V	Α	7
	48V	Α	7
	75V	Α	4
	110V	Α	3
	220V	Α	_
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series			
	≤24V	Α	9
	48V	Α	9
	75V	Α	5
	110V	Α	4
	220V	Α	0.5
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series			
	≤24V	Α	_
	48V	Α	_
	75V	Α	_
	110V	Α	_
	220V	A	_
Short-time allowable current for 10s (IEC/EN60947-1)	2201	A	96
Protection fuse			
Totodion ruso	gG (IEC)	Α	16
	aM (IEC)	A	6
Making capacity (RMS value)	aivi (IEC)		92
		A	92
Breaking capacity at voltage	4.4017	۸	70
	440V	A	72 72
	500V	A	72
	690V	Α	72
Resistance per pole (average value)		mΩ	10
Power dissipation per pole (average value)			
	Ith	W	2.6
	AC3	W	0.36
Tightening torque for terminals			
	min	Nm	0.8
	max	Nm	1
	min	lbin	0.59
	max	Ibin	0.74
Tightening torque for coil terminal			
	min	Nm	0.8
	max	Nm	1
	min	lbft	0.8



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		max	lbft	0.74
Max number of wires si	multaneously connectable		nr.	2
Conductor section				
	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		2	4 =
		min	mm²	1.5
Dawer terminal protecti	ion according to IFC/FN COFOO	max	mm²	2.5
Mechanical features	ion according to IEC/EN 60529			IP20 when wired
Operating position				
Operating position		normal		Vertical plan
		allowable		Vertical plan ±30°
		allowable		Screw / DIN rail
Fixing				35mm
Weight			g	179
Auxiliary contact charact	cteristics		<u> </u>	
Type of contact				1 NC
Thermal current Ith			Α	10
IEC/EN 60947-5-1 des	ignation			A600 - Q600
Operating current AC15	5			
		230V	Α	3
		400V	Α	1.9
		500V	Α	1.4
Operating current DC12	2			
		110V	Α	2.9
Operating current DC13	3			
		24V	Α	2.9
		48V	Α	1.4
		60V	A	1.2
		110V	A	0.6
		125V	A	0.55
		220V 600V	A A	0.3 0.1
Operations		0007	Α	U. I
Mechanical life			cycles	20000000
Electrical life			cycles	500000
Safety related data			5,0.00	
	d according to EN/ISO 13489-1			
	-	rated load	cycles	500000
		mechanical load	cycles	20000000
Mirror contats accordin	g to IEC/EN 609474-4-1		-	yes
EMC compatibility				Yes
AC coil operating				
Rated AC voltage at 50)/60Hz		V	24
AC operating voltage				
	of 50/60Hz coil powered at 50Hz			
	pick-up			
		min	%Us	75



			max	%Us	115
		drop-out			
			min	%Us	20
			max	%Us	55
	of 50/60Hz coil powere	ed at 60Hz			
		pick-up			
			min	%Us	80
			max	%Us	115
		drop-out			
			min	%Us	20
			max	%Us	55
AC average coil consul		= 0.1			
	of 50/60Hz coil power	ed at 50Hz			
			in-rush	VA	30
	(50/0011 "	1 4 0011	holding	VA	4
	of 50/60Hz coil power	ed at 60Hz		١ / ٨	0.5
			in-rush	VA	25
	-f 0011="	-+ 001 -	holding	VA	3
	of 60Hz coil powered a	at buhz	ta and	\/^	20
			in-rush	VA	30
Disabilities of baldings	(00°0 F0H-		holding	VA	4
Dissipation at holding ≤	20°C 50HZ			W	0.95
Max cycles frequency				ovoloo/b	2600
Mechanical operation				cycles/h	3600
Operating times	entrol				
Average time for Us co	in AC				
	11710	Clasing NO			
		Closing NO	min	ms	12
		Closing NO	min max	ms ms	12
			min max	ms ms	12 21
	117.0	Closing NO Opening NO	max	ms	21
	117.0		max min	ms ms	9
	##/ C	Opening NO	max	ms	21
			max min max	ms ms ms	21918
		Opening NO	max min max min	ms ms ms	2191817
		Opening NO Closing NC	max min max	ms ms ms	21918
		Opening NO	max min max min	ms ms ms	2191817
		Opening NO Closing NC	max min max min max	ms ms ms ms	21 9 18 17 26
	in DC	Opening NO Closing NC	max min max min max min	ms ms ms ms ms	2191817267
		Opening NO Closing NC	max min max min max min	ms ms ms ms ms	2191817267
		Opening NO Closing NC Opening NC	max min max min max min	ms ms ms ms ms	2191817267
		Opening NO Closing NC Opening NC Closing NO	max min max min max min max	ms ms ms ms ms ms	21 9 18 17 26 7 17
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		Opening NO Closing NC Opening NC Closing NO Opening NO	max min max min max min max min max	ms ms ms ms ms ms ms ms ms	21 9 18 17 26 7 17
		Opening NO Closing NC Opening NC Closing NO	max min max min max min max min max min max min max	ms	21 9 18 17 26 7 17 18 25 2 3
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		Opening NO Closing NC Opening NO Closing NO Opening NO Closing NO Closing NC	max min max min max min max min max min max min max	ms	21 9 18 17 26 7 17 18 25 2 3
		Opening NO Closing NC Opening NC Closing NO Opening NO	max min max min max min max min max min max min max min max	ms	21 9 18 17 26 7 17 18 25 2 3 3 5
		Opening NO Closing NC Opening NO Closing NO Opening NO Closing NO Closing NC	max min max min max min max min max min max min max min max min max min max	ms m	21 9 18 17 26 7 17 18 25 2 3 3 5
UL technical data		Opening NO Closing NC Opening NO Closing NO Opening NO Closing NO Closing NC	max min max min max min max min max min max min max min max	ms	21 9 18 17 26 7 17 18 25 2 3 3 5

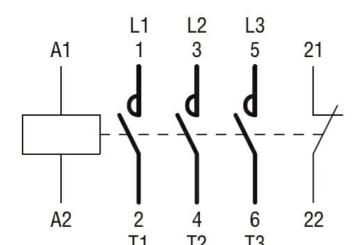
Full-load current (FLA) for three-phase AC motor



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	Α	4.8
at 600V	Α	3.9
otor		
	LID	0.0
		0.3
	HP	1
otor		
200/208V	HP	1.5
220/230V	HP	2
		3
3/3/6007	ПР	3
AC current	Α	20
2.		100
		100
Fuse rating	Α	30
Fuse class		J
Short circuit current	ĿΛ	5
	А	30
) UL		A600 - Q600
	°C	-50
max	• 0	+70
min	$^{\circ}C$	-60
max	°C	+80
max	°C	+80
max	°C m	+80 3000
max		3000
max		
max		3000
	m	3000
	m	3000
(1.73") Q Q	m	3000
44 (1.73") ③ ③ ③ ⑤ ⑤	m (2	3000
(1.73") (1.73") (1.73") (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1.66) (1	m (2	3000
44 (1.73") (a.46.1)	m	3000
44 (1.73") (1.65)	m (2 (282.2)	3000
3.77") (1.73") (1.77") (1.77") (1.77")	m (2 (2.58))	3000
44 (1.73") (1.65)	m (2 (2.58))	3000
3.77") (1.73") (1.77") (1.77") (1.77")	m (2 (2.58))	3000 3
144 (1.73") (1.261) (1.37") (0.12")	m (2 (2.58))	3000 3
3.77") (1.73") (1.77") (1.77") (1.77")	m (2 (2.58))	3000
	220/230V 460/480V 575/600V AC current Short circuit current Fuse rating Fuse class Short circuit current Fuse rating OUL	at 600V A otor 110/120V HP 230V HP otor 200/208V HP 220/230V HP 460/480V HP 575/600V HP AC current A Short circuit current kA Fuse rating A Fuse class Short circuit current kA Fuse rating A OUL





Certifications and 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