



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		Α	16
Operational current le			
	AC-1 (=40°C)	Α	16
	AC-3 (=440V =55°C)	Α	6
	AC-4 (400V)	A	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	A	_
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	Α	6
	220V	Α	_
IEC max current le in DC1 with L/R = 1ms with 3 poles in series			
	=24V	Α	14
	48V	Α	14
	75V	Α	8
	110V	Α	8
	220V	Α	1

IEC max current le in DC1 with L/R = 1ms with 4 poles in series





Ith W 2.6 AC3 W 0.36				
T5V		=24V	Α	_
110V A -			Α	_
IEC max current le in DC3-DC5 with L/R = 15ms with 1 poles in series				_
				_
= 244		220V	Α	_
ABV	IEC max current le in DC3-DC5 with L/R = 15ms with 1 poles in series			
T5V				
110V				
1				
EC max current le in DC3-DC5 with L/R = 15ms with 2 poles in series				1
Section Sect	150 vi i B00 B05 vi i i i i i i i i i i i i i i i i i i	2200	A	_
48V	IEC max current le in DC3-DC5 with $L/R = 15$ ms with 2 poles in series	0.417		-
T5V				
110V				
Making capacity (RMS value) Breaking capacity (average value) Bright (ave				
EEC max current le in DC3-DC5 with L/R = 15ms with 3 poles in series				
24V	IFC may autrent to in DC2 DC5 with L/D. 15mg with 2 pales in series	2200	A	_
A 8V	TEC max current le in DC3-DC5 with L/R = 15ms with 3 poles in series	241/	۸	0
100				
110V				
EC max current le in DC3-DC5 with L/R = 15ms with 4 poles in series				
EC max current le in DC3-DC5 with L/R = 15ms with 4 poles in series				
Short-time allowable current for 10s (IEC/EN60947-1)	IEC may current to in DC2 DC5 with L/P = 15ms with 4 poles in series	220 V		0,5
A 8V	TEC max current le in DC5-DC5 with L/R = 15ms with 4 poles in series	-24\/	۸	
T5V				-
110V				_
Short-time allowable current for 10s (IEC/EN60947-1)				_
Short-time allowable current for 10s (IEC/EN60947-1) A 96 Protection fuse gG (IEC) A 16 aM (IEC) A 6 A 96 Making capacity (RMS value) A 92 92 Breaking capacity at voltage 440V A 72 500V A 72 690V A 72 72 690V A 72 Resistance per pole (average value) m? 10 10 Power dissipation per pole (average value) Ith W 2.6 AC3 W 0.36 10 Tightening torque for terminals min Nm 0.8 max Nm 1 min Ibin 9 max Ibin 9 10 Tightening torque for coil terminal min Nm 0.8 max Nm 1 min Ibin 9 max Ibin 9				
Protection fuse gG (IEC)	Short-time allowable current for 10s (IEC/EN60947-1)			96
gG (IEC)	·			
Making capacity (RMS value)		aG (IEC)	Α	16
Making capacity (RMS value) A 92 Breaking capacity at voltage 440V A 72 72 500V A 72 690V A 72 72 Resistance per pole (average value) m? 10 Power dissipation per pole (average value) lth W 2.6 2.6 AC3 W 0.36 0.36 Tightening torque for terminals min Nm 0.8 0.8 max Ibin 9 max Nm 1 9 Tightening torque for coil terminal min Nm 0.8 0.8 max Nm 1 1 1 min Ibin 9 9 max Ibin 9 9				
Breaking capacity at voltage	Making capacity (RMS value)	(-)		
440				
Soov A 72 February Fe		440V	Α	72
Resistance per pole (average value) m? 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 Ibin 9 max Ibin 9 Tightening torque for coil terminal min Nm 0.8 max Nm 1 min Nm 0.8 max Nm 1 min Ibin 9 max Ibin			Α	
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 Ibin 9 max Ibin 9 Tightening torque for coil terminal min Nm 0.8 max Nm 1 min Nm 0.8 max Nm 1 min Ibin 9 max Ibin 10 max Ibin 10 max Ibin 10 max	Resistance per pole (average value)		m?	10
Ith W 2.6 AC3 W 0.36	Power dissipation per pole (average value)			
AC3 W 0.36		lth	W	2.6
Tightening torque for terminals min Nm 0.8 max Nm 1 min Ibin 9 max Ibin 9 Tightening torque for coil terminal min Nm 0.8 max Nm 1 min Ibin 9 max Ibin 9 max Ibin 9				
min Nm 0.8 max Nm 1 min Ibin 9 max Ibin 9 Tightening torque for coil terminal min Nm 0.8 max Nm 1 min Ibin 9 max Ibin 9 max Ibin 9 max Ibin 9	Tightening torque for terminals			
max Nm 1 min Ibin 9 Tightening torque for coil terminal min Nm 0.8 max Nm 1 min Ibin 9 max Ibin 9		min	Nm	0.8
max Ibin 9 Tightening torque for coil terminal min Nm 0.8 max Nm 1 min Ibin 9 max Ibin 9		max		
Tightening torque for coil terminal min Nm 0.8 max Nm 1 min Ibin 9 max Ibin 9		min	Ibin	9
min Nm 0.8 max Nm 1 min Ibin 9 max Ibin 9		max	Ibin	9
min Nm 0.8 max Nm 1 min Ibin 9 max Ibin 9	Tightening torque for coil terminal			
min Ibin 9 max Ibin 9		min	Nm	0.8
max Ibin 9		max	Nm	1
		min	Ibin	9
Max number of wires simultaneously connectable Nr. 2		max	<u>lbi</u> n	
	Max number of wires simultaneously connectable		Nr.	2



Conductor section	AMO (17			
	AWG/Kcmil	may		12
	Flexible w/o lug conductor section	max		12
	-	min	mm²	0.75
		max	mm²	2.5
	Flexible c/w lug conductor section	Hax		2.0
	_	min	mm²	1.5
	ĺ	max	mm²	2.5
	Flexible with insulated spade lug conductor section			
		min	mm²	1.5
	l	max	mm²	2.5
	ction according to IEC/EN 60529			IP20 when wired
Mechanical features				
Operating position				
		mal		Vertical plan
	allowa	able		±30°
Fixing				Screw / DIN rail
				35mm
Weight			g	180
Conductor section	AWG/kcmil conductor section			
		may		12
Auxiliary contact char		max		12
Thermal current Ith	actoristics		Α	10
IEC/EN 60947-5-1 de	esignation			A600 - Q600
Operating current AC	•			7.000 4000
- p		30V	Α	3
		VOC	Α	1.9
	50	VOC	Α	1.4
Operating current DC	12			
	1	10V	Α	2.9
Operating current DC	13			
	:	24V	Α	2.9
	•	48V	Α	1.4
		30V	Α	1.2
		10V	Α	0.6
		25V	Α	0.55
		20V	A	0.3
Oneration	6	V00	Α	0.1
Operations Machanian Life				0000000
Mechanical life			cycles	2000000
Electrical life Safety related data			cycles	500000
	10d according to EN/ISO 13489-1			
r enormance level B1	rated I	004	ovoloo	500000
	mechanical I		cycles cycles	2000000
Mirror contate accord	ing to IEC/EN 609474-4-1	Jau	Cycles	yes
EMC compatibility	ing to IEO/EN 0007/7 7-1			yes
AC coil operating				y 0.3
Rated AC voltage at 6	60Hz		V	120
AC operating voltage			•	.20
, . o operating voitage				

of 60Hz coil powered at 60Hz





		pick-up			
			min	%Us	75
			max	%Us	115
		drop-out			
			min	%Us	20
			max	%Us	55
AC average coil consu					
	of 50/60Hz coil pov	vered at 50HZ	:	١/٨	20
			in-rush	VA VA	30
	of EO/COLLT poil nov	world at COUT	holding	VA	4
	of 50/60Hz coil pov	vered at 60HZ	in runh	١/٨	0.E
			in-rush	VA VA	25 3
	of COLLE poil power	ad at COLI-	holding	VA	<u> </u>
	of 60Hz coil power	ed at 60HZ	in runh	١/٨	20
			in-rush	VA	30
Dissipation at halding	-00°C FOLI-		holding	VA	4
Dissipation at holding Max cycles frequency				W	0.95
Mechanical operation				cycles/h	3600
Operating times				cycles/II	3000
Average time for Us of	ontrol				
7 Wordgo timo for Co o	in AC				
	1117.0	Closing NO			
		Closing 140	min	ms	12
			max	ms	21
		Opening NO	тах	1110	2.
		operg . to	min	ms	9
			max	ms	18
		Closing NC	max	0	. •
		0.00m.g 1.00	min	ms	17
			max	ms	26
		Opening NC			
		- F 21 9	min	ms	7
			max	ms	17
	in DC				
		Closing NO			
		5	min	ms	18
			max	ms	25
		Opening NO			
		. •	min	ms	2
			max	ms	3
		Closing NC			
		-	min	ms	3
			max	ms	5
		Opening NC			
			min	ms	11
			max	ms	17
UL technical data					
Full-load current (FLA) for three-phase AC	motor			
			at 480V	Α	4.8
			at 600V	Α	3.9
Yielded mechanical pe					
	for single-phase A	C motor			
			110/120V	HP	0.3

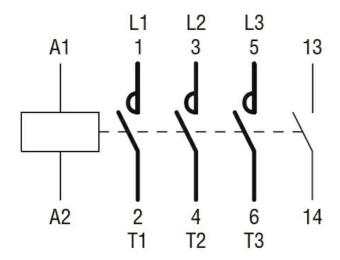




		230V	HP	1
	for three-phase AC motor			
	·	200/208V	HP	1.5
		220/230V	HP	2
		460/480V	HP	3
		575/600V	HP	3
General USE				
	Contactor			
		AC current	Α	16
Short-circuit protecti	ion fuse, 600V			
	High fault			
		Short circuit current	kA	100
		Fuse rating	Α	30
		Fuse class		J
	Standard fault			
		Short circuit current	kA	5
_		Fuse rating	Α	30
	xiliary 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	ction			
Pollution degree				3
Dimensions				
4.4 (1.73") (0.17") (0.17") (0.17") (0.17") (0.33") (0				

ENERGY AND AUTOMATION

THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 6A, AC COIL 60HZ, 120VAC, 1NO AUXILIARY CONTACT



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