





Product designation Power contactor Product type designation **BG06** Contact characteristics Nr. 3 Number of poles Rated insulation voltage Ui IEC/EN ٧ 690 k۷ Rated impulse withstand voltage Uimp 6 Operational frequency Нъ 25 min Hz 400 max IEC Conventional free air thermal current Ith 16 Α 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) 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 3 Α 220V Α IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series ≤24V Α 12 48V Α 11 75V 7 Α 110V Α 6 220V Α IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V Α 14 14 48V Α 75V Α 8 110V 8





	220V	Α	1
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
	≤24V	Α	_
	48V	Α	_
	75V	A	_
	110V	A	_
			_
IFO was a summable in DO2 DO5 with 1/D < 45 are with 4 males in a mine	220V	A	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
	≤24V	Α	6
	48V	Α	5
	75V	Α	2
	110V	Α	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	A	<del>-</del>
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series	220 v	А	
TEO THAN CUITETING III DOD-DOD WILLT LIN = TOTAS WILL 3 POLES III SELIES	~0.4N.I	۸	0
	≤24V	A	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	Α	<del>-</del>
Short-time allowable current for 10s (IEC/EN60947-1)		Α	96
Protection fuse			
T TOLOGUETT TUDO	gG (IEC)	Α	16
Malian and site (DMC calca)	aM (IEC)	A A	6
Making capacity (RMS value)		A	92
Breaking capacity at voltage		_	
	440V	Α	72
	500V	Α	72
	690V	Α	72
Resistance per pole (average value)		$m\Omega$	10
Power dissipation per pole (average value)			
	Ith	W	2.6
	AC-3	W	0.36
Tightening torque for terminals			
J	min	Nm	0.8
	max	Nm	1
	min	Ibin	9
Tieldening teneng for cell tenengel	max	lbin	9
Tightening torque for coil terminal	_		
	min	Nm	0.8
	max	Nm	1
	min	Ibin	9



		max	lbin	9
Max number of wires	simultaneously connectable		Nr.	2
Conductor section				
	AWG/Kcmil			
		max		12
	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 section			
	,	min	mm²	1.5
		max	mm²	2.5
				IP20 when
Power terminal prote	ction according to IEC/EN 60529			properly wired
Mechanical features				, , , ,
Operating position				
- p		normal		Vertical plan
		allowable		±30°
		ano madio		Screw / DIN rail
Fixing				35mm
Weight			g	180
Conductor section			3	
Solidación Scotion	AWG/kcmil conductor section			
	AVVO/Kerrill corrector section	max		12
Auxiliary contact char	ractoristics	Пах		12
Thermal current Ith	aciensiles		Α	10
IEC/EN 60947-5-1 de	osignation			A600 - Q600
	<u>-</u>			A000 - Q000
Operating current AC	,10	0001/	Δ.	•
		230V	A	3
		400V	A	1.9
0 11 100		500V	A	1.4
Operating current DC	;12		_	
		110V	A	2.9
Operating current DC				
oporating carroin be	213			
operating derroit by	713	24V	Α	2.9
operating carroin DC	213	48V	Α	1.4
oporating outlone De	213	48V 60V		1.4 1.2
oporating outlone De	213	48V 60V 110V	Α	1.4
oporating outlone by	213	48V 60V 110V 125V	A A	1.4 1.2
	213	48V 60V 110V	A A A	1.4 1.2 0.6
oporating outront of		48V 60V 110V 125V	A A A	1.4 1.2 0.6 0.55
	213	48V 60V 110V 125V 220V	A A A A	1.4 1.2 0.6 0.55 0.3
Operations	213	48V 60V 110V 125V 220V	A A A A	1.4 1.2 0.6 0.55 0.3
Operations Mechanical life	213	48V 60V 110V 125V 220V	A A A A	1.4 1.2 0.6 0.55 0.3 0.1
Operations Mechanical life Electrical life		48V 60V 110V 125V 220V	A A A A A cycles	1.4 1.2 0.6 0.55 0.3 0.1
Operations Mechanical life Electrical life Safety related data		48V 60V 110V 125V 220V	A A A A A cycles	1.4 1.2 0.6 0.55 0.3 0.1
Operations Mechanical life Electrical life Safety related data	10d according to EN/ISO 13489-1	48V 60V 110V 125V 220V 600V	A A A A A Cycles	1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000
Operations Mechanical life Electrical life Safety related data	10d according to EN/ISO 13489-1	48V 60V 110V 125V 220V 600V	A A A A A Cycles cycles	1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000
Operations Mechanical life Electrical life Safety related data Performance level B	10d according to EN/ISO 13489-1	48V 60V 110V 125V 220V 600V	A A A A A Cycles	1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000
Operations Mechanical life Electrical life Safety related data Performance level B	10d according to EN/ISO 13489-1	48V 60V 110V 125V 220V 600V	A A A A A Cycles cycles	1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000



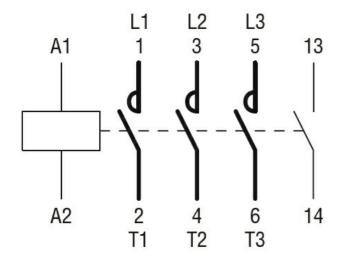


Rated AC voltage at 6	0Hz		V	120
AC operating voltage	<del></del>			
	of 60Hz coil powered at 60Hz			
	pick-up	i	0/116	7.5
		min max	%Us %Us	75 115
	drop-out	IIIax	%US	115
	arop out	min	%Us	20
		max	%Us	55
AC average coil consu	ımption at 20°C			
· ·	of 50/60Hz coil powered at 50Hz			
		in-rush	VA	30
		holding	VA	4
	of 50/60Hz coil powered at 60Hz			
		in-rush	VA	25
		holding	VA	3
	of 60Hz coil powered at 60Hz	مامير سي منا	١/٨	20
		in-rush holding	VA VA	30 4
Dissipation at holding	<20°C 50Hz	noiding	W	0.95
Max cycles frequency			V V	0.00
Mechanical operation			cycles/h	3600
Operating times			.,	
Average time for Us c	ontrol			
	in AC			
	Closing NO			
		min	ms	12
		max	ms	21
	Opening NO			0
		min	ms	9 18
	Closing NC	max	ms	10
	Closing NC	min	ms	17
		max	ms	26
	Opening NC			
	, ,	min	ms	7
		max	ms	17
	in DC			
	Closing NO			
		min	ms	18
	0	max	ms	25
	Opening NO	min	me	2
		min	ms ms	2
	Closing NC	IIIdX	1115	3
	Closing 110	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 mechanica	al performance			
	for single-phase AC motor			
	3 1	110/120V	HP	0.3
		230V	HP	1
	for three-phase AC motor	2001		· · · · · · · · · · · · · · · · · · ·
	for three phase Ao motor	200/208V	HP	1.5
		220/230V	HP	2
		460/480V	HP	3
2		575/600V	HP	3
General USE	_			
	Contactor			
		AC current	A	16
Short-circuit protec	ction 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
Contact rating of au	uxiliary contacts according to UL	<u> </u>		A600 - Q600
Ambient conditions				71000 4000
Temperature				
Tomporataro	Operating temperature			
	Operating temperature	min	°C	-50
			°C	
	<u></u>	max		+70
	Storage temperature		0.0	00
		min	°C	-60
		max	°C	+80
Max altitude			m	3000
Resistance & Prote	ection			
Pollution degree				3
Dimensions				
(1.73") (0.	14	14 0 <sup>h</sup> .s <sup>-</sup>		
4.4	1.4 (57)	(1.73") OF 6	- 12	57 .24")
(0.17")	(2.24")	0 0 0	37 (2	.24 )
			<u></u>	
	(1.97") 58 (2.28")	(1.97)	(2.28")	
******		21 <del></del>	6	
O H H O	و وا	850 0 0 0 0		
8.5 (0.33**) (0.3	7 — 34.9 — 88") (1.37")	3.2 (1.37") 3.2	")	RF9
8.5 (0.33")	, (,	(5.12		
8.5		44	_	89.2 (0.30
8.5 (0.33")		(1.73")		89.2 (3.51") (0.30
Niring diagrams				





## 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