





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	A	3
	220V	A	_
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)		А	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
Dower terminal prote	ation apparding to IEC/EN 60520			IP20 when
Power terminal prote	ction according to IEC/EN 60529			properly wired
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rail 35mm
Maight				
Weight			g	185
Conductor section	1110 / 11			
	AWG/kcmil conductor section			
A 10		max		12
Auxiliary contact cha	acteristics		•	4.0
Thermal current Ith			Α	10
IEC/EN 60947-5-1 d	<u>-</u>			A600 - Q600
Operating current AC	715		_	
		230V	Α	3
		400V	Α	1.9
		500V	A	1.4
Operating current DC	212			
		110V	Α	2.9
Operating current DO	213			
		24V	Α	2.9
		48V	Α	1.4
		48V 60V	A A	1.2
		48V 60V 110V		1.2 0.6
		48V 60V 110V 125V	Α	1.2 0.6 0.55
		48V 60V 110V 125V 220V	A A A	1.2 0.6 0.55 0.3
		48V 60V 110V 125V	A A A	1.2 0.6 0.55
_ ·		48V 60V 110V 125V 220V	A A A	1.2 0.6 0.55 0.3 0.1
_ ·		48V 60V 110V 125V 220V	A A A	1.2 0.6 0.55 0.3
Mechanical life		48V 60V 110V 125V 220V	A A A A	1.2 0.6 0.55 0.3 0.1
Mechanical life Electrical life		48V 60V 110V 125V 220V	A A A A cycles	1.2 0.6 0.55 0.3 0.1
Mechanical life Electrical life Safety related data	10d according to EN/ISO 13489-1	48V 60V 110V 125V 220V	A A A A cycles	1.2 0.6 0.55 0.3 0.1
Mechanical life Electrical life Safety related data	10d according to EN/ISO 13489-1	48V 60V 110V 125V 220V	A A A A cycles	1.2 0.6 0.55 0.3 0.1
Mechanical life Electrical life Safety related data	•	48V 60V 110V 125V 220V 600V	A A A A cycles	1.2 0.6 0.55 0.3 0.1 20000000 500000
Mechanical life Electrical life Safety related data Performance level B	me	48V 60V 110V 125V 220V 600V	A A A A Cycles cycles	1.2 0.6 0.55 0.3 0.1 20000000 500000 500000 200000000
	•	48V 60V 110V 125V 220V 600V	A A A A Cycles cycles	1.2 0.6 0.55 0.3 0.1 20000000 500000





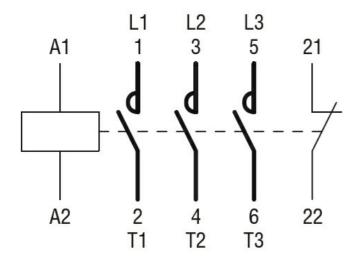
Rated AC voltage at 6	60Hz		V	220
C operating voltage				
	of 60Hz coil powered at 60Hz			
	pick-up		0/11-	75
		min	%Us %Us	75 115
	drop-out	max	7005	115
	arop out	min	%Us	20
		max	%Us	55
AC average coil cons	umption at 20°C			
Ū	of 50/60Hz coil powered at 50Hz			
		in-rush	VA	30
		holding	VA	4
	of 50/60Hz coil powered at 60Hz			
		in-rush	VA	25
		holding	VA	3
	of 60Hz coil powered at 60Hz	امند ما:	١/٨	20
		in-rush holding	VA VA	30 4
Dissipation at holding	<20°C 50Hz	Holding	W	0.95
Max cycles frequency			v v	0.00
Mechanical operation			cycles/h	3600
Operating times			5,5155,11	
Average time for Us o	ontrol			
	in AC			
	Closing NO			
		min	ms	12
		max	ms	21
	Opening NO			
		min	ms	9
	Closing NC	max	ms	18
	Closing NC	min	ms	17
		max	ms	26
	Opening NC	THO A		
	3 3	min	ms	7
		max	ms	17
	in DC			
	Closing NO			
		min	ms	18
		max	ms	25
	Opening NO	. :		0
		min	ms	2
	Closing NC	max	ms	3
	Glosling INC	min	ms	3
		max	ms	5
	Opening NC	max	1113	•
	G F 3 3	min	ms	11
		max	ms	17
JL technical data				
ull-load current (FLA	) for three-phase AC motor			
		ot 400\/	Α	4.8
		at 480V at 600V	A	3.9



Violate al monophemical monto mo				
Yielded mechanical perform				
for s	single-phase AC motor	440/4001/		
		110/120V	HP	0.3
		230V	HP	1
for t	hree-phase AC motor			
		200/208V	HP	1.5
		220/230V	HP	2
		460/480V	HP	3
		575/600V	HP	3
General USE				
	ntactor			
331	ilasto.	AC current	Α	16
Short-circuit protection fuse	6001/	710 04110111	- / \	10
· ·				
ПIgr	n fault	Chart singuit account	Ia۸	100
		Short circuit current	kΑ	100
		Fuse rating	Α	30
		Fuse class		J
Star	ndard fault			
		Short circuit current	kA	5
		Fuse rating	Α	30
Contact rating of auxiliary co	entacts according to UL			A600 - Q600
Ambient conditions				
Temperature				
•	erating temperature			
-1	3 1 1 1 1 1 1	min	°C	-50
		max	°C	+70
Stor	rage temperature	- Indx		
Gloi	rage temperature	min	°C	-60
			°C	+80
Manager La		max		
Max altitude			m	3000
Resistance & Protection				
Pollution degree				3
Dimensions				
4.4 (0.17") (0.17") (0.17") (0.33") (0.33") (0.38") (1.37")	257 (2.24") (1.97 (2.28") (2.28 (2.28")	3.2 (0.12 (0.12 (0.12	(2.28") 5	88.2 - 7.6 (0.30
8.5 (0.33") Wiring diagrams		(1.73")		89.2 (3.51") (0.30

**ENERGY AND AUTOMATION** 

THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 6A, AC COIL 60HZ, 220VAC, 1NC 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