



Product designation Power contactor Product type designation **BG06** Contact characteristics 3 Number of poles nr. Rated insulation voltage Ui IEC/EN ٧ 690 k۷ Rated impulse withstand voltage Uimp 6 Operational frequency min Нъ 25 max Hz 400 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	۸	1
IFC many augment to in DC4 with 1/D < 4 may with 4 males in series	220 V	Α	1
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series	<0.4V/	^	
	≤24V	A	_
	48V	A	_
	75V	A	_
	110V	A	_
150	220V	Α	
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	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		,,	
120 max danoni lo in 200 200 mai 210 2 fonte with 1 poloc in conce	≤24V	Α	_
	48V	A	_
	75V	A	_
	110V	A	_
	220V	A	_
Short-time allowable current for 10s (IEC/EN60947-1)	220 V	A	96
Protection fuse			30
Protection ruse	مر (اتر)	۸	16
	gG (IEC)	A	16
Mali'ara ara a'ta (DMO ad a)	aM (IEC)	A	6
Making capacity (RMS value)		Α	92
Breaking capacity at voltage		_	
	440V	Α	72
	500V	Α	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	Ibin	0.59
	max	lbin	0.74
Tightening torque for coil terminal			_
	min	Nm	0.8
	max	Nm	1
	min	lbft	0.8

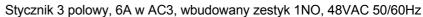


electric	Stycznik 3 polowy, 6A w AC3, wbudowany z	estyk 1	1NO, 48VAC 50/60Hz	
ENERGY AND AUTOMATION				
	max	lbft	0.74	
Max number of wires simultaneously connectab	le	nr.	2	
Conductor section				

		max	Ibft	0.74
Max number of wires s	simultaneously connectable		nr.	2
Conductor section				
	Flexible w/o lug conductor section			
	C	min	mm²	0.75
		max	mm²	2.5
	Flexible c/w lug conductor section			
	r lexible 6/W lag defladator deditori	min	mm²	1.5
		max	mm²	2.5
	Flexible with insulated spade lug conductor section		111111	2.0
	riexible with insulated spade lug conductor section		ma ma 2	4 -
		min	mm²	1.5
		max	mm²	2.5
	tion according to IEC/EN 60529			IP20 when wired
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rail
- IXIIIg				35mm
Weight			g	177
Auxiliary contact chara	cteristics			
Type of contact				1 NO
Thermal current Ith			Α	10
IEC/EN 60947-5-1 des	signation			A600 - Q600
Operating current AC1				7.000 2000
operating current /to1		230V	Α	3
		400V	A	1.9
		500V	A	1.4
On anoting a summent DO4	0	3007	A	1.4
Operating current DC1	2	44014		
		110V	A	2.9
Operating current DC1	3			
		24V	Α	2.9
		48V	Α	1.4
		60V	Α	1.2
		110V	Α	0.6
		125V	Α	0.55
		220V	Α	0.3
		600V	Α	0.1
Operations				
Mechanical life			cycles	20000000
Electrical life			cycles	500000
Safety related data				
	0d according to EN/ISO 13489-1			
	3 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	rated load	cycles	500000
		mechanical load	cycles	2000000
Mirror contate accounting		mediameal load	Cycles	
	ng to IEC/EN 609474-4-1			yes
EMC compatibility				Yes
AC coil operating	0/0014		, ,	10
Rated AC voltage at 50	0/60Hz		V	48
AC operating voltage				

of 50/60Hz coil powered at 50Hz pick-up

min %Us 75





			0/11	115
		max	%Us	110
	drop-out			
	·	min	%Us	20
		max	%Us	55
	of 50/60Hz coil powered at 60Hz			
	pick-up			
		min	%Us	80
		max	%Us	115
	drop-out			
		min	%Us	20
		max	%Us	55
AC average coil cons				
	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			
		in-rush	VA	30
		holding	VA	4
Dissipation at holding			W	0.95
Mark or to loo from the control of				
Max cycles frequency Mechanical operation			cycles/h	3600
Mechanical operation Operating times			cycles/h	3600
Mechanical operation	ontrol		cycles/h	3600
Mechanical operation Operating times	ontrol in AC	10	cycles/h	3600
Mechanical operation Operating times	ontrol			
Mechanical operation Operating times	ontrol in AC	min	ms	12
Mechanical operation Operating times	ontrol in AC Closing I	min max		
Mechanical operation Operating times	ontrol in AC	min max NO	ms ms	12 21
Mechanical operation Operating times	ontrol in AC Closing I	min max NO min	ms ms ms	12 21 9
Mechanical operation Operating times	ontrol in AC Closing I Opening	min max NO min max	ms ms	12 21
Mechanical operation Operating times	ontrol in AC Closing I	min max NO min max	ms ms ms	12 21 9 18
Mechanical operation Operating times	ontrol in AC Closing I Opening	min max NO min max NC	ms ms ms ms	12 21 9 18
Mechanical operation Operating times	ontrol in AC Closing I Opening Closing I	min max NO min max NC min max	ms ms ms	12 21 9 18
Mechanical operation Operating times	ontrol in AC Closing I Opening	min max NO min max NC min max NC	ms ms ms ms	12 21 9 18 17 26
Mechanical operation Operating times	ontrol in AC Closing I Opening Closing I	min max NO min max NC min max NC min max NC min max	ms ms ms ms ms	12 21 9 18 17 26
Mechanical operation Operating times	ontrol in AC Closing I Opening Closing I	min max NO min max NC min max NC	ms ms ms ms	12 21 9 18 17 26
Mechanical operation Operating times	ontrol in AC Closing I Opening Closing I Opening	min max NO min max NC min max NC min max NC min max	ms ms ms ms ms	12 21 9 18 17 26
Mechanical operation Operating times	ontrol in AC Closing I Opening Closing I	Min max NO min max NC min max NC min max NC	ms ms ms ms ms	12 21 9 18 17 26 7
Mechanical operation Operating times	ontrol in AC Closing I Opening Closing I Opening	Min max NO min max NC min max NC min max NC MO min max	ms ms ms ms ms ms	12 21 9 18 17 26 7 17
Mechanical operation Operating times	ontrol in AC Closing I Opening Closing I Opening in DC Closing I	Min max NO min max NC min max NC min max NC Min max NC min max MO min max	ms ms ms ms ms	12 21 9 18 17 26 7
Mechanical operation Operating times	ontrol in AC Closing I Opening Closing I Opening	Min max NO min max NC min max NC min max NO min max NO	ms ms ms ms ms ms	12 21 9 18 17 26 7 17
Mechanical operation Operating times	ontrol in AC Closing I Opening Closing I Opening in DC Closing I	Min max NO min max NC min max NC Min max NO min max NO min max NO min max NO	ms ms ms ms ms ms	12 21 9 18 17 26 7 17
Mechanical operation Operating times	ontrol in AC Closing I Opening Closing I Opening in DC Closing I Opening	Min max NO min max NC min max NC Min max NC Min max NO min max	ms ms ms ms ms ms	12 21 9 18 17 26 7 17
Mechanical operation Operating times	ontrol in AC Closing I Opening Closing I Opening in DC Closing I	Min max NO min max NC min max NC min max NO min max NO min max NO min max NO	ms ms ms ms ms ms	12 21 9 18 17 26 7 17
Mechanical operation Operating times	ontrol in AC Closing I Opening Closing I Opening in DC Closing I Opening	MIN MAX NO Min max NC Min max NC Min max NO Min max	ms ms ms ms ms ms ms	12 21 9 18 17 26 7 17 18 25 2 3
Mechanical operation Operating times	ontrol in AC Closing I Opening Closing I Opening in DC Closing I Opening Closing I Closing I	MIN MAX NO Min max NC Min max NC Min max NO Min max	ms ms ms ms ms ms	12 21 9 18 17 26 7 17
Mechanical operation Operating times	ontrol in AC Closing I Opening Closing I Opening in DC Closing I Opening	MIN MAX NO MIN MAX NC MIN MAX NC MIN MAX NO MIN MAX MIN MA	ms ms ms ms ms ms ms	12 21 9 18 17 26 7 17 18 25 2 3 3 5
Mechanical operation Operating times	ontrol in AC Closing I Opening Closing I Opening in DC Closing I Opening Closing I Closing I	MIN MAX NO Min max NC Min max NC Min max NO Min max	ms ms ms ms ms ms ms	12 21 9 18 17 26 7 17 18 25 2 3

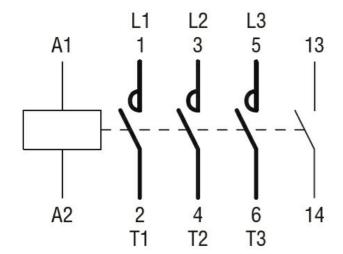
Full-load current (FLA) for three-phase AC motor



ENERGY AND AUTOMATION

		at 480V	Α	4.8
		at 600V	Α	3.9
Yielded mechanical	performance			
	for single-phase AC motor			
	ioi oiligio pilaco / to liloto.	110/120V	HP	0.3
		230V	HP	1
	for three phase AC mater	230 V	H	· ·
	for three-phase AC motor	000/0001/	D	4 5
		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 protect	ion fuse, 600V			-
2 Sir Sir Sait Protoot	High fault			
	riigiriadit	Short circuit current	kA	100
			A	
		Fuse rating	А	30
		Fuse class		J
	Standard fault			
		Short circuit current	kA	5
		Fuse rating	Α	30
Contact rating of aux	xiliary contacts according to UL			A600 - Q600
Ambient conditions				
Temperature				
·	Operating temperature			
	3 1 1 1 1	min	°C	-50
		max	°C	+70
	Storage temperature	max		
	Storage temperature	min	°C	60
		min		-60
		max	°C	+80
Max altitude			m	3000
Resistance & Prote	ction			
Pollution degree				3
Dimensions				
(1.73") 4.4	4 50	44 64.6		
(0.17")	(2.24")	44 (1.73") (1.73") (1.73") (1.37") (1.37") (1.37") (1.37") (1.37") (1.37") (1.37") (1.37") (1.37")	(2.28") 5	57 .24") RE9
8.5 (0.33") 8.5 (0.33")	· · · · · · · · · · · · · · · · · · ·	44 (1.73")		89.2 (3.51") (0.30")
Wiring 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