# electric THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 6A, DC COIL, 48VDC, 1NC AUXILIARY CONTACT **ENERGY AND AUTOMATION**



Product designation Power contactor Product type designation BG06

	Nr.	3
	V	690
	kV	6
min	Hz	25
max	Hz	400
	Α	16
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
230V	kW	1.5
400V	kW	2.2
415V	kW	2.4
440V	kW	2.5
500V	kW	3
690V	kW	3
230V	kW	6
400V	kW	10
500V	kW	13
690V	kW	18
≤24V	Α	9
48V	Α	8
75V	Α	4
110V	Α	3
220V	Α	_
≤24V	Α	12
48V	Α	11
75V	Α	7
110V	Α	6
220V	Α	_
≤24V	Α	14
48V	Α	14
75V	Α	8
110V	Α	8
	Max  AC-1 (≤40°C) AC-1 (≤55°C) AC-1 (≤70°C) AC-3 (≤440V ≤55°C) AC-4 (400V)  230V 400V 415V 440V 500V 690V  230V 400V 500V 690V  ≤24V 48V 75V 110V 220V  ≤24V 48V 75V 110V 220V	min Hz max Hz A  AC-1 (≤40°C) A AC-1 (≤55°C) A AC-1 (≤70°C) A AC-3 (≤440V ≤55°C) A AC-4 (400V) A  230V kW 400V kW 415V kW 440V kW 500V kW 690V kW 690V kW  500V kW 690V kW  500V kW 690V kW 500V A  230V A  48V A 75V A 110V A 220V A  ≤24V A 48V A 75V A 110V A 220V A



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	220V	Α	1
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series	220 V		<u> </u>
ILO max current le in DOT with L/TC = mis with 4 poles in series	≤24V	۸	
	≥24 V 48 V	A	_
	46 V 75 V	A	_
		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	A	0,5
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series	2201	- / \	0,0
120 max current to in 200-200 with 2/10 2 forms with 4 poles in series	≤24V	Α	
	48V	A	_
	75V	A	_
	110V		_
		A	_
Chart time allowable consent for AOC (IFO/FNICOOAT A)	220V	A	
Short-time allowable current for 10s (IEC/EN60947-1)		Α	96
Protection fuse	0 (150)	ā	
	gG (IEC)	Α	16
	aM (IEC)	Α	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)		$m\Omega$	10
Power dissipation per pole (average value)			
	lth	W	2.6
	AC-3	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	шах	.0111	
ngittering torque for con terminal	min	Nlm	0.8
	min	Nm Nm	
	max	Nm	1
	min	Ibin	9



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		max	Ibin	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
Power terminal prote	ction according to IEC/EN 60529			IP20 when
Mechanical features				properly wired
Operating position				
Sporading position		normal		Vertical plan
		allowable		±30°
		20114010		Screw / DIN rail
Fixing				35mm
Weight			g	230
Auxiliary contact char	acteristics		J	
Thermal current Ith			Α	10
IEC/EN 60947-5-1 de	esignation			A600 - Q600
Operating current AC				
		230V	Α	3
		400V	Α	1.9
		500V	Α	1.4
Operating current DC	212			
		110V	Α	2.9
Operating current DC	213			
		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				00000000
Mechanical life			cycles	20000000
Electrical life			cycles	500000
Safety related data	10d according to EN/ICO 43490.4			
Performance level B	10d according to EN/ISO 13489-1	w-4	- د احدو	500000
	_	rated load	cycles	500000
Mirror contate assert		nechanical load	cycles	20000000
	ling to IEC/EN 609474-4-1			Yes
EMC compatibility				yes
DC coil operating	200		\/	10
DC rated control volta			V	48
DC operating voltage				
	pick-up			



# electric THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 6A, DC COIL, 48VDC, 1NC AUXILIARY CONTACT

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			min	%Us	75
			max	%Us	115
	drop-out				
			min	%Us	10
			max	%Us	25
Average coil consump	tion ≤20°C				
			in-rush	W	3.2
			holding	W	3.2
Max cycles frequency					
Mechanical operation				cycles/h	3600
Operating times					
Average time for Us co					
	in AC				
		Closing NO			
			min	ms	12
			max	ms	21
		Opening NO			_
			min	ms	9
			max	ms	18
		Closing NC			
			min	ms	17
			max	ms	26
		Opening NC			
			min	ms	7
			max	ms	17
	in DC				
		Closing NO			
			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					
Rated operational volta				V	600
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	e AC 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				

RF...9

- 89.2 -(3.51")

7.6 (0.30")

(0.12")



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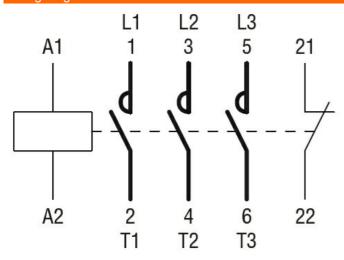
**ENERGY AND AUTOMATION** 

		AC current	Α	16
Short-circuit protection fuse, 600V				
High fault				
		Short circuit current	kA	100
		Fuse rating	Α	30
		Fuse class		J
Standard fau	lt			
		Short circuit current	kA	5
		Fuse rating	Α	30
Contact rating of auxiliary contacts ac	ccording to UL			A600 - Q600
Ambient conditions				
Temperature				
Operating ter	mperature			
		min	°C	-50
		max	°C	+70
Storage temp	perature			
		min	°C	-60
		max	°C	+80
Max altitude			m	3000
Resistance & Protection				
Pollution degree				3
Dimensions				
4.4 (0.17") (0.17") (0.17") (0.17") (0.16") (0	(2.24")	44 (1.73") (1.65) (1.65) (1.65) (1.65) (1.65) (1.65) (1.65) (1.65) (1.65) (1.65) (1.65)	(2.28")	57

— 44 — (1.73")

## 8.5\_ (0.33") Wiring diagrams

8.5 (0.33



9.7 - 34.9 - (0.38") (1.37")

#### 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



#### 11BG0601D048

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UL 60947-1 UL 60947-4-1 CCC

cULus EAC

ETIM classification

Certificates

EC000066 -ETIM 8.0 Power contactor, AC switching