electric THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 6A, DC COIL, 24VDC, 1NC **ENERGY AND AUTOMATION**

AUXILIARY CONTACT



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			
Operational frequency	min	Hz	25
		Hz	400
IEC Conventional free air thermal current Ith	max		
		Α	16
Operational current le	10.4 (.4000)		4.0
	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
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			
The max canonic to in Bot with Effe a mic with a poloci in conce	≤24V	Α	9
	48V	A	8
	75V	A	4
	110V	A	3
	220V		3
IFC many assument to im DC4 with 1/D < 4 may with 2 males in against	220 V	A	_
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series	40.417		40
	≤24V	A	12
	48V	A	11
	75V	A	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
	48V 75V	A A	14 8



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220V 1 Α IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series ≤24V Α 48V Α 75V Α 110V Α 220V Α IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series ≤24V Α 6 48V 5 Α 2 75V 1 110V Α 220V Α IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series ≤24V Α 7 48V 7 Α 75V Α 4 3 110V Α 220V Α IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series ≤24V 9 Α 48V 9 75V 5 Α 110V Α 4 220V 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 Short-time allowable current for 10s (IEC/EN60947-1) Α 96 Protection fuse 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) W 2.6 lth AC-3 W 0.36 Tightening torque for terminals min Nm 0.8 max Nm 1 min Ibin 9 Ibin 9 max Tightening torque for coil terminal min Nm 0.8 Nm 1 max min Ibin 9



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		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				propony mod
Operating position				
operations produced		normal		Vertical plan
		allowable		±30°
		anowabio		Screw / DIN rail
Fixing				35mm
Weight			g	212
Conductor section			9	
Conductor Section	AWG/kcmil conductor section			
	AWG/KCITIII COTIGUCTOF Section	max		12
Auxiliary contact char	contarieties	Пах		12
Thermal current Ith	aciensilos		А	10
IEC/EN 60947-5-1 de	ocianation			A600 - Q600
				A000 - Q000
Operating current AC	·10	0001/	Δ.	0
		230V	A	3
		400V	A	1.9
0	240	500V	A	1.4
Operating current DC	712	44014		
		110V	Α	2.9
Operating current DC	213			
			Λ.	2.9
		24V	Α	
		48V	Α	1.4
		48V 60V	A A	1.4 1.2
		48V 60V 110V	A A A	1.4 1.2 0.6
		48V 60V 110V 125V	A A A	1.4 1.2 0.6 0.55
		48V 60V 110V 125V 220V	A A A A	1.4 1.2 0.6 0.55 0.3
		48V 60V 110V 125V	A A A	1.4 1.2 0.6 0.55
		48V 60V 110V 125V 220V	A A A A	1.4 1.2 0.6 0.55 0.3 0.1
Mechanical life		48V 60V 110V 125V 220V	A A A A	1.4 1.2 0.6 0.55 0.3 0.1
Mechanical life Electrical life		48V 60V 110V 125V 220V	A A A A	1.4 1.2 0.6 0.55 0.3 0.1
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
Mechanical life Electrical life Safety related data	10d according to EN/ISO 13489-1	48V 60V 110V 125V 220V	A A A A A cycles	1.4 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 A cycles	1.4 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 A Cycles	1.4 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 A Cycles cycles	1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000 500000
	·	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



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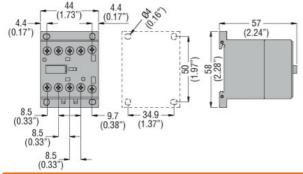
DC rated control voltag	le.			V	24
DC operating voltage					
2 27 2 3 3 2 3 3	pick-up				
			min	%Us	75
			max	%Us	115
	drop-out				
			min	%Us	10
			max	%Us	25
Average coil consumpt	ion ≤20°C				
			in-rush	W	3.2
			holding	W	3.2
Max cycles frequency				. "	
Mechanical operation				cycles/h	3600
Operating times	at Î				
Average time for Us co					
	in AC	Closing NO			
		Closing NO	min	ms	12
			max	ms	21
		Opening NO	Παλ	1113	~ I
		opolinig 110	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
		O	max	ms	25
		Opening NO	min	 .	2
			min	ms	2
		Closing NC	max	ms	3
		Sidding INC	min	ms	3
			max	ms	5
		Opening NC	max	5	-
		-1 - 3	min	ms	11
			max	ms	17
UL technical data					
Full-load current (FLA)	for three-phase AC mo	otor			
			at 480V	Α	4.8
			at 600V	Α	3.9
Yielded mechanical pe					
	for single-phase AC i	motor			
			110/120V	HP	0.3
			230V	HP	1
	for three-phase AC m	notor	000/0001		4.5
			200/208V	HP	1.5
			220/230V 460/480V	HP up	2
			460/480V 575/600V	HP HP	3
			373/0007	1 11	<u> </u>

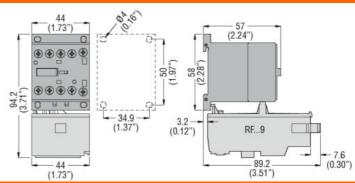


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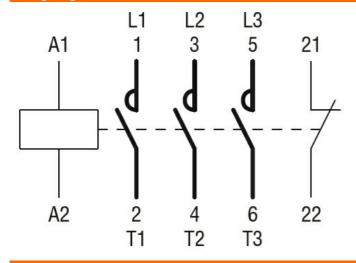
ENERGY AND AUTOMATION

General USE				
	Contactor			
		AC current	Α	16
Short-circuit protection	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 auxilia	ary 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 & Protection	on			
Pollution degree				3
Dimensions				
(0.17") (0.17") (0.17")	(2.24")	(1.73") (1.73") (1.73")	(2.	57





Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-4-1



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	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