

THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 6A, DC COIL, 24VDC, 1NC **AUXILIARY CONTACT**



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 Н 25 min Hz 400 max IEC Conventional free air thermal current Ith 16 Α Operational current le AC-1 (=40°C) Α 16 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 =24V Α 9 48V 8 75V Α 4 110V Α 3 220V Α IEC max current le in DC1 with L/R = 1ms with 2 poles in series =24V Α 12 48V 11 75V Α 7 110V Α 6 220V IEC max current le in DC1 with L/R = 1ms with 3 poles in series =24V Α 14 48V Α 14 75V Α 8 110V Α 8 220V 1

IEC max current le in DC1 with L/R = 1ms with 4 poles in series



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	=24V	Α	_
	48V	Α	_
	75V	Α	_
	110V	Α	_
	220V	A	_
IEC may current to in DC2 DC5 with L/D = 15mg with 1 polog in parion	220 V		
IEC max current le in DC3-DC5 with L/R = 15ms with 1 poles in series	0.07	•	•
	=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
150 (1) D00 D05 (1) (D) 45 (1) 0 1 (1)	220V	A	
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			- , -
The max deficitive in Boo Boo with Bit = Tomo with 4 police in series	=24V	Α	
	48V		_
		A	_
	75V	Α	_
	110V	Α	_
	220V	Α	_
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		- / \	
breaking capacity at voltage	440\/	۸	70
	440V	A	72
	500V	Α	72
	690V	A	72
Resistance per pole (average value)		m?	10
Power dissipation per pole (average value)			
	Ith	W	2.6
	AC3	W	0.36
Tightening torque for terminals			
9 -	min	Nm	0.8
		Nm	
	max		1
	min	lbin	9
	max	Ibin	9
Tightening torque for coil terminal			
	min	Nm	0.8
	max	Nm	1
	min	lbin	9
	max	Ibin	9
Max number of wires simultaneously connectable		Nr.	2
max number of mice emigrationally confidence		1 11.	_



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Candustanaatian			
Conductor section	AWG/Kcmil		
	, two, reciriii	ıx	12
	Flexible w/o lug conductor section		_
	m	in mm²	0.75
	ma	ıx mm²	2.5
	Flexible c/w lug conductor section		
	m		1.5
	— ma	x mm²	2.5
	Flexible with insulated spade lug conductor section		4.5
	m	_	1.5 2.5
Power terminal protec	ma ction according to IEC/EN 60529	IX IIIIII	IP20 when wired
Mechanical features	ction according to IEC/EN 00329		IF 20 WHEIT WITEG
Operating position			
operaning promon	norm	al	Vertical plan
	allowab		±30°
Fixing			Screw / DIN rail
			35mm
Weight		g	212
Conductor section			
	AWG/kcmil conductor section		
A miliano controt de ou	ma - attariation	ıx	12
Auxiliary contact chara	acteristics	۸	10
Thermal current Ith IEC/EN 60947-5-1 de	ocianation	Α	10 A600 - Q600
Operating current AC			A000 - Q000
Operating current AC	230	V A	3
	400		1.9
	500		1.4
Operating current DC			
	110	V A	2.9
Operating current DC	13		
	24		2.9
	48		1.4
	60		1.2
	110		0.6
	125		0.55
	220 600		0.3 0.1
Operations	000	V A	0.1
Mechanical life		cycles	20000000
Electrical life		cycles	
Safety related data			
•	0d according to EN/ISO 13489-1		
	rated loa	d cycles	500000
	mechanical loa	d cycles	20000000
	ing to IEC/EN 609474-4-1		yes
EMC compatibility			yes
DC coil operating			
DC rated control volta		V	24
DC operating voltage			
	pick-up		



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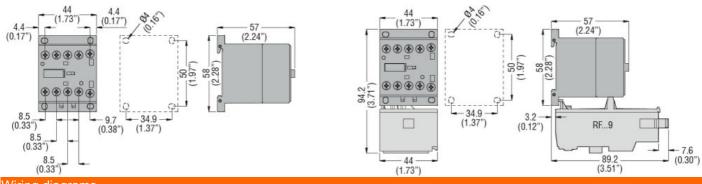
		min	%Us	75
		max	%Us	115
	drop-out			
		min	%Us	10
		max	%Us	25
Average coil consump	tion =20°C			
		in-rush	W	3.2
		holding	W	3.2
Max cycles frequency		J		
Mechanical operation			cycles/h	3600
Operating times			,	
Average time for Us co	ontrol			
J	in AC			
	Closing NO			
	ordanig	min	ms	12
		max	ms	21
	Opening NO			
	- F ····· · · · · ·	min	ms	9
		max	ms	18
	Closing NC	····	•	-
	0.00m.g 0	min	ms	17
		max	ms	26
	Opening NC		•	
	Sporting 113	min	ms	7
		max	ms	17
	in DC	max		··-
	Closing NO			
	Closing IVO	min	ms	18
		max	ms	25
	Opening NO	max	1110	20
	Opening NO	min	ms	2
		max	ms	3
	Closing NC	max	1110	O
	Olosing No	min	ms	3
		max	ms	5
	Opening NC	IIIdx	1113	3
	Opening NO	min	ms	11
		max	ms	17
UL technical data		IIIdX	1113	
	for three-phase AC motor			
i uli-load culletti (FLA)	ioi tiliee-pilase Ao Illotol	at 480V	Α	4.8
		at 600V	A	3.9
Violded machanical as	rformanco	ai 000V	Α	ა.შ
Yielded mechanical pe				
	for single-phase AC motor	440/4001	ЫD	0.3
		110/120V	HP up	0.3
	for three whose AC mater	230V	HP	1
	for three-phase AC motor	200/2001	ЫD	1 5
		200/208V	HP	1.5
		220/230V	HP	2
		460/480V	HP	3
0		575/600V	HP	3
General USE				
	Contactor		_	
		AC current	Α	16



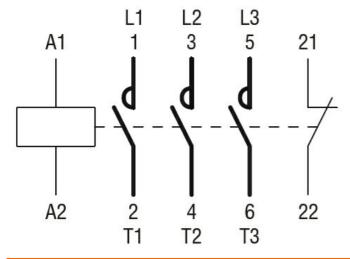
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Short-circuit protection fuse, 600)V			
High fau	ılt			
		Short circuit current	kA	100
		Fuse rating	Α	30
		Fuse class		J
Standar	d fault			
		Short circuit current	kA	5
		Fuse rating	Α	30
Contact rating of auxiliary contact	ts according to UL			A600 - Q600
Ambient conditions	· ·			
Temperature				
Operatir	ng temperature			
·		min	°C	-50
		max	°C	+70
Storage	temperature			
, and the second se	•	min	°C	-60
		max	°C	+80
Max altitude			m	3000
Resistance & Protection				
Pollution degree				3
Dimensions				
4.4 (0.17") (0.17") (0.17")	57 (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

IEC/EN 60947-1

IEC/EN 60947-4-1

UL 60947-1



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UL 60947-4-1 Certificates CCC cULus EAC

ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching