



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 6A, DC COIL, 220VDC, 1NO AUXILIARY CONTACT



Product designation	Power contactor
Product type designation Contact characteristics	BG06
Number of poles Nr.	3
Rated insulation voltage Ui IEC/EN V	690
Rated impulse withstand voltage Uimp kV	6
Operational frequency	
min Hz	25
max Hz	400
IEC Conventional free air thermal current Ith A	16
Operational current le	
AC-1 (≤40°C) A	16
AC-1 (≤55°C) A	14
AC-1 (≤70°C) A	12
AC-3 (≤440V ≤55°C) A	6
AC-4 (400V) A	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 A	9
48V A	8
75V A	4
110V A	3
220V A	
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series	
≤24V A	12
48V A	11
75V A	7
110V A	6
220V A	
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series	
≤24V A	14
48V A	14
75V A 110V A	8
110V A	8





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	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 and a summer to be DOO DOC with 1/D < 45 and with 4 and a line and a	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	Α	3
	220V	Α	_
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series	220 V		
TEC max current le in DC3-DC5 with L/R \square 15ms with 3 poles in series	2041 /	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	_
Short-time allowable current for 10s (IEC/EN60947-1)		Α	96
Protection fuse		- , ,	
1 Total Collott Tube	aC (IEC)	۸	16
	gG (IEC)	A	16
M. I	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)			
,	Ith	W	2.6
	AC-3	W	0.36
Tightening torque for terminals			
rightshing torque for terrinitale	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	Ibin	9



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	max	lbin	9
Itaneously connectable		Nr.	2
NG/Kcmil			
	max		12
exible w/o lug conductor section	_		
			0.75
71. ()	max	mm²	2.5
exible c/w lug conductor section		2	4.5
			1.5
	max	mm-	2.5
exible with insulated spade lug conductor section	min	mm²	1.5
			2.5
	Шах	111111	IP20 when
according to IEC/EN 60529			properly wired
			proporty who
	normal		Vertical plan
	allowable		±30°
			Screw / DIN rail
			35mm
		g	222
NG/kcmil conductor section			
	max		12
istics			
		Α	10
ation			A600 - Q600
	230V	Α	3
		Α	1.9
	500V	A	1.4
	110V	A	2.9
		Α	2.9
		Α	1.4
		Α	1.2
		A	0.6
			0.55
	220V	A	0.3
	600V	Α	0.1
		ovoloo	20000000
		cycles	2000000
		cycles cycles	20000000 500000
coording to EN/ISO 12490 1			
ccording to EN/ISO 13489-1	roted lead	cycles	500000
-	rated load	cycles	500000
me	rated load echanical load	cycles	500000 500000 20000000
-		cycles	500000
-	VG/kcmil conductor section	exible w/o lug conductor section min max exible c/w lug conductor section min max exible with insulated spade lug conductor section min max according to IEC/EN 60529 Normal allowable WG/kcmil conductor section max stics 230V 400V 500V 110V 24V 48V 66V 110V 125V	exible w/o lug conductor section min mm² max mm² exible c/w lug conductor section min mm² max mm² exible with insulated spade lug conductor section min mm² max mm² exible with insulated spade lug conductor section min mm² max mm² according to IEC/EN 60529 NG/kcmil conductor section max stics A ation 230V A 400V A 500V A 500V A 110V A 24V A 48V A 66V A 66V A 66V A 110V A 110V A 110V A





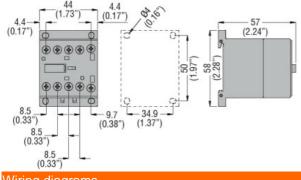
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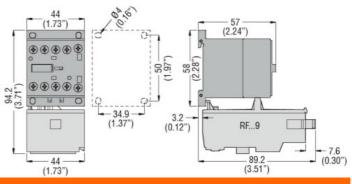
DC rated control volta				V	220
DC operating voltage					
	pick-up		min	%Us	75
			max	%Us	115
	drop-out		max	7000	110
	•		min	%Us	10
			max	%Us	25
Average coil consum	otion ≤20°C				
			in-rush	W	3.2
Max cycles frequency			holding	W	3.2
Mechanical operation				cycles/h	3600
Operating times				Cyclc3/11	3000
Average time for Us o	ontrol				
-	in AC				
		Closing NO			
			min	ms	12
		0	max	ms	21
		Opening NO	min	ms	9
			max	ms	18
		Closing NC	max	1110	10
		3 -	min	ms	17
			max	ms	26
		Opening NC			
			min	ms	7
	in DC		max	ms	17
	in DC	Closing NO			
		Closing NO	min	ms	18
			max	ms	25
		Opening NO			
			min	ms	2
			max	ms	3
		Closing NC			
			min	ms	3
		Opening NC	max	ms	5
		Opening NO	min	ms	11
			max	ms	17
UL technical data					
Full-load current (FLA) for three-phase	AC motor			
			at 480V	Α	4.8
Violated as a short set	a wf a was =		at 600V	A	3.9
Yielded mechanical p		so AC motor			
	for single-phas	SE VO IIIOIOI	110/120V	HP	0.3
			230V	HP	1
			V		
	for three-phas	e AC motor			
	for three-phas	e AC motor	200/208V	HP	1.5
	for three-phas	e AC motor	200/208V 220/230V	HP HP	2
	for three-phas	e AC motor			

ENERGY AND AUTOMATION

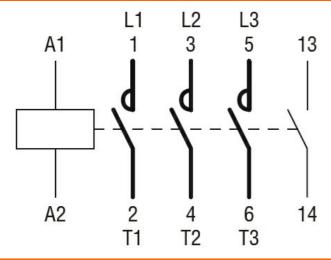
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General USE				
	Contactor			
		AC current	Α	16
Short-circuit protection	on fuse, 600V			
	High fault			
		Short circuit current	kA	100
		Fuse rating	Α	30
		Fuse class		J
	Standard fault			
		Short circuit current	kA	5
		Fuse rating	Α	30
Contact rating of auxi	iliary 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 & Protect	tion			
Pollution degree				3
Dimensions				
4.4 (0.17") (0.17") (0.17"	(2.24")	44 (1.73")	(2)	57





Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-4-1



11BG0610D220

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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