





Product designation Product type designation			Power contactor BG06
Contact characteristics			2 000
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		Α	16
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)	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	Α	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	Α	11
	75V	Α	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
	75V	Α	8
	110V	Α	8





	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





		max	Ibin	9
	simultaneously connectable		Nr.	2
Conductor section	A)A(O/I/C - 1)			
	AWG/Kcmil			40
	Clavible w/s live an division position	max		12
	Flexible w/o lug conductor section	min	mm²	0.75
		min	mm² mm²	0.75 2.5
	Florible of white conductor acction	max	ШШ	2.5
	Flexible c/w lug conductor section	min	mm²	1.5
		max	mm²	2.5
	Flexible with insulated spade lug conductor section		111111	2.0
	Tickible with insulated space tag conductor section	min	mm²	1.5
		max	mm²	2.5
		max		IP20 when
Power terminal prote	ection according to IEC/EN 60529			properly wired
Mechanical features				,
Operating position				
. 01		normal		Vertical plan
		allowable		±30°
Elizio e				Screw / DIN rail
Fixing				35mm
Weight			g	213
Conductor section				
	AWG/kcmil conductor section			
		max		12
Auxiliary contact cha	racteristics			
Thermal current Ith			Α	10
	esignation		A	10 A600 - Q600
IEC/EN 60947-5-1 d	<u> </u>		A	
IEC/EN 60947-5-1 d	<u> </u>	230V	A	
IEC/EN 60947-5-1 d	<u> </u>	230V 400V		A600 - Q600
IEC/EN 60947-5-1 d	<u> </u>		A	A600 - Q600 3
IEC/EN 60947-5-1 d Operating current AC	C15	400V 500V	A A	A600 - Q600 3 1.9
IEC/EN 60947-5-1 d Operating current AC Operating current DC	C15	400V	A A	A600 - Q600 3 1.9
IEC/EN 60947-5-1 d Operating current AC Operating current DC	C15	400V 500V	A A A	A600 - Q600 3 1.9 1.4
IEC/EN 60947-5-1 d Operating current AC Operating current DC	C15	400V 500V 110V 24V	A A A	A600 - Q600 3 1.9 1.4
IEC/EN 60947-5-1 d Operating current AC Operating current DC	C15	400V 500V 110V 24V 48V	A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4
IEC/EN 60947-5-1 d Operating current AC Operating current DC	C15	400V 500V 110V 24V	A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2
IEC/EN 60947-5-1 d Operating current AC Operating current DC	C15	400V 500V 110V 24V 48V	A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4
IEC/EN 60947-5-1 d Operating current AC Operating current DC	C15	400V 500V 110V 24V 48V 60V	A A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2
IEC/EN 60947-5-1 d Operating current AC Operating current DC	C15	400V 500V 110V 24V 48V 60V 110V	A A A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6
IEC/EN 60947-5-1 d Operating current AC Operating current DC Operating current DC	C15	400V 500V 110V 24V 48V 60V 110V 125V	A A A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55
IEC/EN 60947-5-1 d Operating current AC Operating current DC Operating current DC Operating current DC	C15	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1
Operating current DO	C15	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1
Operations Operations Operations Mechanical life Electrical life	C15	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1
Operating current DO Operating current DO Operating current DO Operating current DO Operations Mechanical life Electrical life Safety related data	C12 C13	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A Cycles	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1
Operating current DO Operating current DO Operating current DO Operating current DO Operations Mechanical life Electrical life Safety related data	C15	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A Cycles	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1
Operating current DO Operating current DO Operating current DO Operating current DO Operations Mechanical life Electrical life Safety related data	C12 C13	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A Cycles	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1
Operating current DO Operations Mechanical life Electrical life Safety related data	C12 C13 C13 10d according to EN/ISO 13489-1	400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A A Cycles cycles	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000
Operating current DO Operations Mechanical life Electrical life Safety related data Performance level B	C12 C13 C13 10d according to EN/ISO 13489-1	400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A A Cycles cycles	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000
	C12 C13 C13 10d according to EN/ISO 13489-1	400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A A Cycles cycles	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000 500000



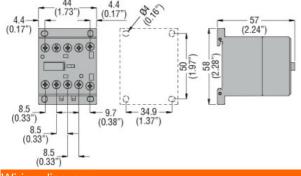


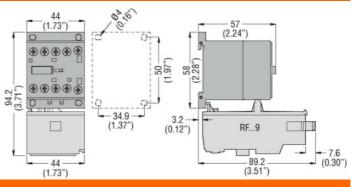
DC rated control voltage			V	110
DC operating voltage				
pick-up				
		min	%Us	75
		max	%Us	115
drop-out				
		min	%Us	10
		max	%Us	25
Average coil consumption ≤20°C		2	107	0.0
		in-rush	W	3.2
Max cycles frequency		holding	W	3.2
Mechanical operation			cycles/h	3600
Operating times			Cycles/II	3000
Average time for Us control				
in AC				
	Closing NO			
	J	min	ms	12
		max	ms	21
(Opening NO			
		min	ms	9
		max	ms	18
(Closing NC			
		min	ms	17
,	On aning NC	max	ms	26
	Opening NC	min	me	7
		max	ms ms	17
in DC		Пих		
	Closing NO			
		min	ms	18
		max	ms	25
(Opening NO			
		min	ms	2
		max	ms	3
(Closing NC			_
		min	ms	3
,	On aning NC	max	ms	5
(Opening NC	min	ma	11
		min max	ms ms	17
UL technical data		IIIdX	1113	.,
Full-load current (FLA) for three-phase AC motor				
, , , , , , , , , , , , , , , , , , ,		at 480V	Α	4.8
		at 600V	Α	3.9
Yielded mechanical performance				
for single-phase AC moto	or			
		110/120V	HP	0.3
		230V	HP	1
for three-phase AC moto	or			
		200/208V	HP	1.5
		220/230V	HP	2
		460/480V 575/600V	HP HP	3

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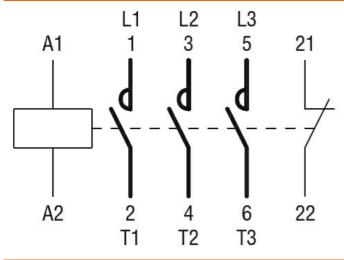
THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 6A, DC COIL, 110VDC, **1NC AUXILIARY CONTACT**

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 auxiliary 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			
Pollution degree			3
Dimensions			
4.4 (0.17") (0.17") (2.24")	(1.73") 0 0 0	(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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THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 6A, DC COIL, 110VDC, 1NC AUXILIARY CONTACT

	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