



Product designation			Power contactor
Product type designation Contact characteristics			BG06
		Nle	3
Number of poles		Nr. V	
Rated insulation voltage Ui IEC/EN			690
Rated impulse withstand voltage Uimp		kV	6
Operational frequency			0.5
	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 $L/R \le 1$ ms with 1 poles in series			
	≤24V	А	9
	48V	А	8
	75V	А	4
	110V	А	3
	220V	A	-
IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series			
	≤24V	А	12
	48V	А	11
	75V	А	7
	110V	А	6
	220V	А	_
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series			
	≤24V	А	14
	48V	А	14
	75V	А	8
	110V	А	8

electric ENERGY AND AUTOMATION

THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 6A, AC COIL 50/60HZ, 400VAC, 1NO AUXILIARY CONTACT

11BG0610A400

	220V	А	1
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series	220 v	П	<u> </u>
	≤24V	А	_
	48V	A	_
	75V	А	-
	110V	А	_
	220V	А	-
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 1 poles in series			
	≤24V	А	6
	48V	А	5
	75V	А	2
	110V	А	1
	220V	A	
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 2 poles in series		_	
	≤24V	Α	7
	48V	Α	7
	75V	A	4
	110V	A	3
	220V	A	
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 3 poles in series	-041/	•	0
	≤24V	A	9
	48V	A	9
	75V 110V	A A	5 4
	220V	A	
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 4 poles in series	2200	A	0,5
The max current le in DC3-DC3 with E/N 3 13ms with 4 poles in series	≤24V	А	_
	 48V	A	_
	75V	A	_
	110V	A	_
	220V	A	_
Short-time allowable current for 10s (IEC/EN60947-1)		Α	96
Protection fuse			
	gG (IEC)	А	16
	aM (IEC)	А	6
Making capacity (RMS value)		А	92
Breaking capacity at voltage			
	440V	А	72
	500V	А	72
	690V	Α	72
Resistance per pole (average value)		mΩ	10
Power dissipation per pole (average value)			
	Ith	W	2.6
	AC-3	W	0.36
Tightening torque for terminals			
	min	Nm	0.8
	max	Nm	1
	min	Ibin	9

Tightening torque for coil terminal

Ibin

Nm

Nm

Ibin

max

min

max

min

9

0.8

1

9



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 6A, AC COIL 50/60HZ, 400VAC, 1NO AUXILIARY CONTACT

11BG0610A400

Max number of wires	simultaneously connectable	max	Ibin Nr.	9
Conductor section			INI.	2
	AWG/Kcmil			
		max		12
	Flexible w/o lug conductor section			
	C C	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	ection according to IEC/EN 60529			IP20 when
Mechanical features	-			properly wired
Operating position				
		normal		Vertical plan
		allowable		±30°
				Screw / DIN ra
Fixing				35mm
Weight			g	178
Conductor section				
	AWG/kcmil conductor section			
		max		12
Auxiliary contact cha	racteristics	max		
Thermal current Ith		max	A	10
Thermal current Ith IEC/EN 60947-5-1 de	esignation	max	A	
Thermal current Ith	esignation			10 A600 - Q600
Thermal current Ith IEC/EN 60947-5-1 de	esignation	230V	A	10 A600 - Q600 3
Thermal current Ith IEC/EN 60947-5-1 de	esignation	230V 400V	A A	10 A600 - Q600 3 1.9
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC	esignation C15	230V	A	10 A600 - Q600 3
Thermal current Ith IEC/EN 60947-5-1 de	esignation C15	230V 400V 500V	A A A	10 A600 - Q600 3 1.9 1.4
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC	esignation C15 C12	230V 400V	A A	10 A600 - Q600 3 1.9
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC	esignation C15 C12	230V 400V 500V 110V	A A A A	10 A600 - Q600 3 1.9 1.4 2.9
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC	esignation C15 C12	230V 400V 500V 110V 24V	A A A A	10 A600 - Q600 3 1.9 1.4 2.9 2.9
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC	esignation C15 C12	230V 400V 500V 110V 24V 48V	A A A A A	10 A600 - Q600 3 1.9 1.4 2.9 2.9 2.9 1.4
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC	esignation C15 C12	230V 400V 500V 110V 24V 48V 60V	A A A A A A A	10 A600 - Q600 3 1.9 1.4 2.9 2.9 2.9 1.4 1.2
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC	esignation C15 C12	230V 400V 500V 110V 24V 48V 60V 110V	A A A A A A A A	10 A600 - Q600 3 1.9 1.4 2.9 2.9 2.9 1.4 1.2 0.6
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC	esignation C15 C12	230V 400V 500V 110V 24V 48V 60V	A A A A A A A	10 A600 - Q600 3 1.9 1.4 2.9 2.9 2.9 1.4 1.2 0.6 0.55
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC	esignation C15 C12	230V 400V 500V 110V 24V 48V 60V 110V 125V	A A A A A A A A A A	10 A600 - Q600 3 1.9 1.4 2.9 2.9 2.9 1.4 1.2 0.6
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC	esignation C15 C12	230V 400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A A A A	10 A600 - Q600 3 1.9 1.4 2.9 2.9 2.9 1.4 1.2 0.6 0.55 0.3
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC	esignation C15 C12	230V 400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A A A A	10 A600 - Q600 3 1.9 1.4 2.9 2.9 2.9 1.4 1.2 0.6 0.55 0.3
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operating current DC Operations Mechanical life Electrical life	esignation C15 C12	230V 400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A A A A A A	10 A600 - Q600 3 1.9 1.4 2.9 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data	esignation 215 212 213	230V 400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A A A A A Cycles	10 A600 - Q600 3 1.9 1.4 2.9 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data	esignation C15 C12	230V 400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A A A A A Cycles	10 A600 - Q600 3 1.9 1.4 2.9 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data	esignation C15 C12 C13 10d according to EN/ISO 13489-1	230V 400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A A A A A A Cycles	10 A600 - Q600 3 1.9 1.4 2.9 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data Performance level B	esignation 215 212 213 10d according to EN/ISO 13489-1	230V 400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A A A A A Cycles cycles	10 A600 - Q600 3 1.9 1.4 2.9 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data Performance level B	esignation C15 C12 C13 10d according to EN/ISO 13489-1	230V 400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A A A A A Cycles cycles	10 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

11BG0610A400



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 6A, AC COIL 50/60HZ, 400VAC, 1NO AUXILIARY CONTACT

Rated AC voltage at 8	50/60Hz			V	400
AC operating voltage					
	of 50/60Hz coil p	powered at 50Hz			
		pick-up		o / I I	
			min	%Us	75
		drop out	max	%Us	115
		drop-out	min	%Us	20
			max	%Us	55
	of 50/60Hz coil r	powered at 60Hz	тах	/000	00
	01 00/001 12 001 1	pick-up			
		From of	min	%Us	80
			max	%Us	115
		drop-out			
			min	%Us	20
			max	%Us	55
AC average coil cons					
	of 50/60Hz coil p	powered at 50Hz			
			in-rush	VA	30
			holding	VA	4
	of 50/60Hz coil p	powered at 60Hz			
			in-rush	VA	25
			holding	VA	3
	of 60Hz coil pow	Vered at 60Hz	in much	١/٨	20
			in-rush holding	VA VA	30 4
Dissipation at holding	<20°C 50H7		noiding	W	0.95
Max cycles frequency				vv	0.00
Mechanical operation					
				cvcles/h	3600
				cycles/h	3600
Operating times				cycles/h	3600
				cycles/h	3600
Operating times	control	Closing NO		cycles/h	3600
Operating times	control	Closing NO	min	cycles/h ms	12
Operating times	control		min max		
Operating times	control	Closing NO Opening NO	max	ms ms	12 21
Operating times	control		max	ms ms ms	12 21 9
Operating times	control	Opening NO	max	ms ms	12 21
Operating times	control		max min max	ms ms ms ms	12 21 9 18
Operating times	control	Opening NO	max min max min	ms ms ms ms ms	12 21 9 18 17
Operating times	control	Opening NO Closing NC	max min max	ms ms ms ms	12 21 9 18
Operating times	control	Opening NO	max min max min max	ms ms ms ms ms ms	12 21 9 18 17 26
Operating times	control	Opening NO Closing NC	max min max min max min	ms ms ms ms ms ms	12 21 9 18 17 26 7
Operating times	control in AC	Opening NO Closing NC	max min max min max	ms ms ms ms ms ms	12 21 9 18 17 26
Operating times	control	Opening NO Closing NC Opening NC	max min max min max min	ms ms ms ms ms ms	12 21 9 18 17 26 7
Operating times	control in AC	Opening NO Closing NC	max min max min max min max	ms ms ms ms ms ms ms ms	12 21 9 18 17 26 7 17
Operating times	control in AC	Opening NO Closing NC Opening NC	max min max min max min	ms ms ms ms ms ms	12 21 9 18 17 26 7 17 18
Operating times	control in AC	Opening NO Closing NC Opening NC	max min max min max min max	ms ms ms ms ms ms ms ms	12 21 9 18 17 26 7 17
Operating times	control in AC	Opening NO Closing NC Opening NC Closing NO	max min max min max min max	ms ms ms ms ms ms ms ms	12 21 9 18 17 26 7 17 17 18 25 2
Operating times	control in AC	Opening NO Closing NC Opening NC Closing NO Opening NO	max min max min max min max min max	ms ms ms ms ms ms ms ms ms	12 21 9 18 17 26 7 17 17
Operating times	control in AC	Opening NO Closing NC Opening NC Closing NO	max min max min max min max min max	ms ms ms ms ms ms ms ms ms ms ms	12 21 9 18 17 26 7 17 17 18 25 2 3
Operating times	control in AC	Opening NO Closing NC Opening NC Closing NO Opening NO	max min max min max min max min max	ms ms ms ms ms ms ms ms ms	12 21 9 18 17 26 7 17 17 18 25 2

11BG0610A400 The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



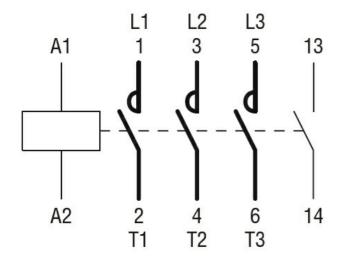
THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 6A, AC COIL 50/60HZ, 400VAC, 1NO AUXILIARY CONTACT

11BG0610A400

	Opening	a NC		
		min	ms	11
		max	ms	17
UL technical data				
Full-load current (FL	_A) for three-phase AC motor			
		at 480V	А	4.8
		at 600V	А	3.9
Yielded mechanical	performance			
	for single-phase 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
0 an arcl 1105		575/600V	HP	3
General USE	Contactor			
	Contactor	AC current	۸	16
Short circuit protect	ion fund 6001/	AC current	A	16
Short-circuit protect				
	High fault	Short circuit current	kA	100
		Fuse rating	A	30
		Fuse class	~	J
	Standard fault			0
		Short circuit current	kA	5
		Fuse rating	A	30
Contact rating of au	xiliary 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 & Prote	ction			
Pollution degree				3
Dimensions				
44 (1.73") (0.17") (0.			1 (2.28°) 50	57 .24") RF9 9
^{8.5} (0.33") Wiring diagrams		(1.73")		(3.51")

Wiring diagrams





Certifications and compliance

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
	UL 60947-4-1
Certificates	
	CCC
	cULus
	EAC
ETIM classification	

ETIM 8.0

EC000066 -Power contactor, AC switching