



Product designation			Power contacto
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			-
	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith	max	A	16
Operational current le		7.	10
	AC-1 (≤40°C)	А	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)		7.	0.0
	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
EC max current le in DC1 with L/R ≤ 1ms with 1 poles in series			
	≤24V	А	9
	48V	А	8
	75V	А	4
	110V	А	3
	220V	А	_
EC 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	Α	_
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		8

electric ENERGY AND AUTOMATION

11BG0610D125 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 6A, DC COIL, 125VDC, **1NO AUXILIARY CONTACT** 

	220V	А	1
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
	≤24V	А	_
	48V	А	_
	75V	А	_
	110V	А	_
	220V	А	_
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
	≤24V	А	6
	48V	А	5
	75V	А	2
	110V	А	1
	220V	А	_
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series			
	≤24V	А	7
	48V	A	7
	48V 75V	A	4
	110V	A	3
	220V	A	-
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series	220 V	Λ	_
TEC max current le in DC5-DC5 with E/K = 15ms with 5 poles in series	≤24V	۸	0
	48V	A A	9 9
	40V 75V	A	5
	110V	A	5 4
IFO menu summent is in DO2 DO5 with 1/D < 45mm with 4 melos in series	220V	A	0,5
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 4 poles in series	<0.4) /	^	
	≤24V	A	_
	48V	A	_
	75V	A	_
	110V	A	-
	220V	A	_
Short-time allowable current for 10s (IEC/EN60947-1)		Α	96
Protection fuse			
	gG (IEC)	Α	16
	aM (IEC)	A	6
Making capacity (RMS value)		Α	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	lbin	9
	max	lbin	9
Tightening torque for coil terminal			
	min	Nm	0.8
	max	Nm	1
	min	Ibin	9

11BG0610D125 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, DC COIL, 125VDC, 1NO AUXILIARY CONTACT

11BG0610D125

Man and the first		max	Ibin	9
	simultaneously connectable		Nr.	2
Conductor section				
	AWG/Kcmil			10
		max		12
	Flexible w/o lug conductor section			0.75
		min	mm²	0.75
	Flowible of the conductor continu	max	mm²	2.5
	Flexible c/w lug conductor section	min	mm²	1 5
		min		1.5 2.5
	Elevible with inculated anode lug conductor costion	max	mm²	2.0
	Flexible with insulated spade lug conductor section	min	ma ma 2	1 5
		min	mm²	1.5 2.5
		max	mm²	IP20 when
Power terminal prote	ction according to IEC/EN 60529			properly wired
Mechanical features				propeny wired
Operating position				
		normal		Vertical plan
		allowable		±30°
		anowable		Screw / DIN rai
Fixing				35mm
Weight			g	220
Conductor section			3	
	AWG/kcmil conductor section			
		max		12
Auxiliary contact cha	racteristics			
Thermal current Ith			А	10
IEC/EN 60947-5-1 d	esignation			A600 - Q600
Operating current AC	-			
		230V	А	3
		400V	A	1.9
		500V	A	1.4
Operating current DC	12			
	51Z	110V	Δ	29
		110V	А	2.9
Operating current DC				
		24V	А	2.9
		24V 48V	A A	2.9 1.4
		24V 48V 60V	A A A	2.9 1.4 1.2
		24V 48V 60V 110V	A A A A	2.9 1.4 1.2 0.6
		24V 48V 60V 110V 125V	A A A A	2.9 1.4 1.2 0.6 0.55
		24V 48V 60V 110V 125V 220V	A A A A A	2.9 1.4 1.2 0.6 0.55 0.3
Operating current DC		24V 48V 60V 110V 125V	A A A A	2.9 1.4 1.2 0.6 0.55
Operating current DC		24V 48V 60V 110V 125V 220V	A A A A A A A	2.9 1.4 1.2 0.6 0.55 0.3 0.1
Operating current DC Operations Mechanical life		24V 48V 60V 110V 125V 220V	A A A A A A Cycles	2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000
Operating current DC Operations Mechanical life Electrical life		24V 48V 60V 110V 125V 220V	A A A A A A A	2.9 1.4 1.2 0.6 0.55 0.3 0.1
Operating current DC Operations Mechanical life Electrical life Safety related data	213	24V 48V 60V 110V 125V 220V	A A A A A A Cycles	2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000
Operating current DC Operations Mechanical life Electrical life Safety related data		24V 48V 60V 110V 125V 220V 600V	A A A A A A cycles cycles	2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000
Operating current DC Operations Mechanical life Electrical life Safety related data	213 10d according to EN/ISO 13489-1	24V 48V 60V 110V 125V 220V 600V	A A A A A A Cycles cycles	2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000 500000
Operating current DC Operations Mechanical life Electrical life Safety related data Performance level B	213 10d according to EN/ISO 13489-1 med	24V 48V 60V 110V 125V 220V 600V	A A A A A A cycles cycles	2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000 500000 20000000
Operating current DC Operations Mechanical life Electrical life Safety related data Performance level B	213 10d according to EN/ISO 13489-1	24V 48V 60V 110V 125V 220V 600V	A A A A A A Cycles cycles	2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000 500000



11BG0610D125 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 6A, DC COIL, 125VDC,

**1NO AUXILIARY CONTACT** 

DC rated control voltage	je			V	125
DC operating voltage					
	pick-up			0/11-	75
			min	%Us %Us	75 115
	drop-out		max	%US	115
	ulop-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					
Mechanical operation				cycles/h	3600
Operating times					
Average time for Us co					
	in AC				
		Closing NO	min	me	12
			max	ms ms	21
		Opening NO	Παλ	1113	<u> </u>
			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
			max	ms	25
		Opening NO			
		1 0	min	ms	2
			max	ms	3
		Closing NC			
			min	ms	3
		• • • • •	max	ms	5
		Opening NC			44
			min	ms	11
UL technical data			max	ms	17
Full-load current (FLA)	for three-phase AC	motor			
			at 480V	А	4.8
			at 600V	A	3.9
Yielded mechanical pe	rformance				
	for single-phase AC	C 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
			575/600V	HP	3

11BG0610D125 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



General USE				
General USE	Contactor			
	Contactor	AC current	А	16
Short-circuit protection	on fuse 600V		7	10
	High fault			
	i light ladit	Short circuit current	kA	100
		Fuse rating	A	30
		Fuse class	,,	J
	Standard fault			
		Short circuit current	kA	5
		Fuse rating	A	30
Contact rating of auxi	iliary contacts according to UL			A600 - Q600
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50
		max	°Č	+70
	Storage temperature		•	
		min	°C	-60
		max	°Č	+80
Max altitude			m	3000
Resistance & Protect	tion			
Pollution degree				3
Dimensions				
$\begin{array}{c} 44 \\ 4.4 \\ (1.73'') \\ (0.17'') \\ \textcircled{(}0.17'') \\ \textcircled{(}0.13'') \\ \end{matrix}{(}0.13'') \\ \textcircled{(}0.13'') \\ \textcircled{(}0.13'') \\ \end{matrix}{(}0.13'') \\ \textcircled{(}0.13'') \\ \end{matrix}{(}0.13'') \\ \end{matrix}{(}$	(2.24") (2.24") (2.24") (2.24")	44 (1.73") (1.73") (0.12" (0.12"	(2.28") 5	57 24") RF9 
A1 A1 A2 A2 Certifications and cor Compliance				
	CSA C22.2 n° 60947-1			

CSA C22.2 n° 60947-4-1



## 11BG0610D125 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 6A, DC COIL, 125VDC, **1NO AUXILIARY CONTACT**

IEC/EN 60947-1 IEC/EN 60947-4-1
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