



Product designation			Power contactor
Product type designation			BG09
Contact characteristics			-
Number of poles		Nr.	3
Rated insulation voltage Ui IEC/EN		<u>V</u>	690
Rated impulse withstand voltage Uimp		kV	6
Operational frequency			05
	min	Hz	25
IEC Conventional free air thermal current Ith	max	Hz	400
Operational current le		A	20
Operational current le	$A \subset 1 (-40^{\circ} C)$	٨	20
	AC-1 (=40°C) AC-1 (=55°C)	A A	0
	AC-3 (=440V =55°C)	A	9
	AC-3 (-440V -33 C) AC-4 (400V)	A	4
Rated operational power AC-3 (T=55°C)	710 + (+001)	7	Ţ
	230V	kW	2.2
	400V	kW	4
	415V	kW	4.3
	440V	kW	4.5
	500V	kW	5
	690V	kW	5
Rated operational power AC-1 (T=40°C)			
	230V	kW	8
	400V	kW	14
	500V	kW	16
	690V	kW	22
IEC max current le in DC1 with L/R = 1ms with 1 poles in series			
	=24V	А	12
	48V	А	10
	75V	A	4
	110V	A	3
	220V	A	_
IEC max current le in DC1 with L/R = 1ms with 2 poles in series	0.01/	•	4 5
	=24V	A	15
	48V	A	14
	75V 110V	A A	9 8
	220V		
IEC max current le in DC1 with L/R = 1ms with 3 poles in series	2200	A	_
	=24V	А	16
	=24V 48V	A	16
	48V 75V	A	10
	110V	A	10
	220V	A	2
	2200	Λ	<u> </u>



11BG0901A12060 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 9A, AC COIL 60HZ, 120VAC, 1NC AUXILIARY CONTACT

IEC max current le in DC1 with L/R = 1ms with 4 poles in series			
	=24V	А	16
	48V	А	16
	75V	А	10
	110V	А	10
	220V	А	2
IEC max current le in DC3-DC5 with L/R = 15ms with 1 poles in series			
	=24V	А	7
	48V	А	6
	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	8
	48V	А	8
	75V	А	5
	110V	А	4
	220V	А	_
IEC max current le in DC3-DC5 with L/R = 15ms with 3 poles in series			
	=24V	А	10
	48V	А	10
	75V	А	6
	110V	А	5
	220V	A	0,8
IEC max current le in DC3-DC5 with L/R = 15ms with 4 poles in series			-) -
	=24V	А	10
	48V	A	10
	75V	A	6
	110V	A	5
	220V	A	0,8
Short-time allowable current for 10s (IEC/EN60947-1)		A	96
Protection fuse			
	gG (IEC)	А	20
	aM (IEC)	A	10
Making capacity (RMS value)		A	92
Breaking capacity at voltage		7.	
Dreaking supusity at voltage	440V	А	72
	500V	A	72
	690V	A	72
Resistance per pole (average value)	5501	m?	10
Power dissipation per pole (average value)		:	10
	lth	W	4
	AC3	W	4 0.81
Tightening torque for terminals	703	٧V	0.01
	min	Nm	0.8
		Nm	
	max		1
	min	lbin Ibin	9
Tightening torque for coil terminal	max	חומו	9
	min	Nim	0.9
	min	Nm	0.8
	max	Nm	1
	min	lbin Ibin	9
	max	lbin	9



11BG0901A12060 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 9A, AC COIL 60HZ,

120VAC, INC AUXILIARY CONTACT

	simultaneously connectable		Nr.	2
Conductor section				
	AWG/Kcmil			
		max		12
	Flexible w/o lug conductor section			0.75
		min	mm² mm²	0.75 2.5
	Flexible c/w lug conductor section	max		2.0
	Flexible C/W lug conductor section	min	mm²	1.5
		max	mm²	2.5
	Flexible with insulated spade lug conductor sectio			2.0
		min	mm²	1.5
		max	mm²	2.5
Power terminal protect	ction according to IEC/EN 60529			IP20 when wire
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rai 35mm
Weight			g	180
Conductor section				
	AWG/kcmil conductor section			
		max		12
Auxiliary contact char	acteristics			
Thermal current Ith			A	10
IEC/EN 60947-5-1 de	-			A600 - Q600
Operating current AC	15			
		230V	A	3
		400V	A	1.9
	40	500V	A	1.4
Operating current DC	12	1101/	^	2.0
Operating ourrent DC	10	110V	A	2.9
Operating current DC	13	24V	۸	2.9
		24 V 48 V	A A	2.9 1.4
		48V 60V	A	1.4
		110V	A	0.6
		125V	A	0.55
		220V	A	0.3
		600V	A	0.1
Operations				
Mechanical life			cycles	2000000
Electrical life			cycles	500000
Safety related data				
Performance level B1	0d according to EN/ISO 13489-1			
		rated load	cycles	500000
		mechanical load	cycles	2000000
	ing to IEC/EN 609474-4-1			yes
EMC compatibility				yes
AC coil operating			. ,	100
Rated AC voltage at 6	50Hz		V	120

11BG0901A12060 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 9A, AC COIL 60HZ, 120VAC, 1NC AUXILIARY CONTACT



of 60Hz coil powered at 60Hz

75 115 20 55 30 4 25 3
115 20 55 30 4 25 3
20 55 30 4 25 3
55 30 4 25 3
55 30 4 25 3
55 30 4 25 3
30 4 25 3
4 25 3
4 25 3
4 25 3
25 3
3
3
30
4
0.95
0.00
2600
3600
12
21
9
18
10
47
17
26
7
17
18
25
2
3
0
3
5
11
11 17
17
17 7.6
17

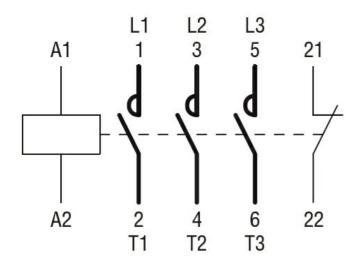
11BG0901A12060 The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



11BG0901A12060 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 9A, AC COIL 60HZ, 120VAC, 1NC AUXILIARY CONTACT

		110/120V	HP	0.5
		230V	HP	1.5
	for three-phase AC motor	2001		1.0
	for three-phase AC motor	200/208V	HP	2
		220/230V	HP	3
		460/480V	HP	5
		575/600V	HP	5
General USE				
	Contactor			
		AC current	А	20
Short-circuit protectior	n fuse, 600V			
	High fault			
	5	Short circuit current	kA	100
		Fuse rating	А	30
		Fuse class	- •	J
	Standard fault			
		Short circuit current	kA	5
		Fuse rating	A	30
Contact rating of auvili	any contacts according to LU	Fuse failing	A	
	ary 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	on			
Pollution degree	-			3
Dimensions				
4.4 (0.17") (0	\$ (2.24")		(2.28") 5	57 _24")
8.5 (0.33") (0.33") (0.33") (0.33") (0.33") Wiring diagrams		(0.12"		RF9





Certifications and compliance

oompnanoo	Comp	liance
-----------	------	--------

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