



Product designation			Power contactor
Product type designation Contact characteristics			BG09
Number of poles		pr	3
Rated insulation voltage Ui IEC/EN		nr. V	<u> </u>
Rated impulse withstand voltage Uimp		kV	6
		κv	0
Operational frequency	min	LI-	25
	min	Hz	25
Conventional free air thermal current Ith IEC/EN	max	Hz A	400 20
		A	20
Operational current le		۸	20
	AC-1 (≤40°C)	A	20
	AC-3 (≤440V ≤55°C)	A	9
Deted energianel nerves AO 2 (T<55°O)	AC-4 (400V)	A	4
Rated operational power AC-3 (T≤55°C)	0001/	/	
	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
Short-time allowable current for 10s (IEC/EN60947-1)		A	96
Protection fuse			
	gG (IEC)	A	20
	aM (IEC)	A	10
Making capacity (RMS value)		Α	92
Breaking capacity at voltage			
	440V	А	72
	500V	А	72
	690V	А	72
Resistance per pole (average value)		mΩ	10
Power dissipation per pole (average value)			
	Ith	W	4
	AC3	W	0.81
Tightening torque for terminals			
	min	Nm	0.8
	max	Nm	1
	min	Ibin	0.59
	max	Ibin	0.74

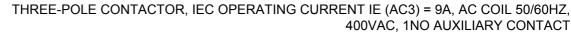
## Tightening torque for coil terminal



11BG0910A400 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 9A, AC COIL 50/60HZ, 400VAC, 1NO AUXILIARY CONTACT

	min	Nm	0.8
	max	Nm	1
	min	lbft	0.8
	max	lbft	0.74
Max number of wires simultaneously connectable		nr.	2
Conductor section			
Flexible w/o lug conductor section	min	mm²	0.75
	max	mm²	2.5
Flexible c/w lug conductor section	тал		2.0
	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 protection according to IEC/EN 60529			IP20 when wire
Mechanical features			
Operating position			
	normal		Vertical plan
	allowable		±30°
Fiving			Screw / DIN rail
Fixing			35mm
Weight		g	177
Auxiliary contact characteristics			
Type of contact			1 NO
Thermal current Ith		Α	10
IEC/EN 60947-5-1 designation			A600 - Q600
Operating current AC15			
	230V	А	3
	400V	A	1.9
	500V	A	1.4
Operating current DC12			
	110V	A	2.9
Operating current DC13			
	24V	A	2.9
	48V	A	1.4
	60V	A	1.2
	110V	Α	0.6
	125V	A	0.55
	220V	A	0.3
O	600V	A	0.1
Operations			20000000
Mechanical life		cycles	2000000
Electrical life		cycles	500000
Safety related data			
Performance level B10d according to EN/ISO 13489-1		ov el	E00000
	rated load	cycles	500000
	nical load	cycles	2000000
Mirror contats according to IEC/EN 609474-4-1			yes
EMC compatibility			Yes
AC coil operating			
Rated AC voltage at 50/60Hz, 60Hz		\ <i>\</i>	10
	min	V	12

11BG0910A400





			max	V	575
AC operating voltage					
	of 50/60Hz coil powered at				
	pick	k-up		0/11-	7-
			min	%Us	75
	drou		max	%Us	115
	aro	o-out	min	%Us	20
			max	%Us	55
	of 50/60Hz coil powered at 0	60Hz	max	/000	
	pick				
		•	min	%Us	80
			max	%Us	115
	drop	o-out			
			min	%Us	20
			max	%Us	55
AC operating voltage					
	of 50/60Hz coil powered at	50Hz			2.2
			in-rush	VA	30
	of EO/GOUT and now are done	20U-7	holding	VA	4
	of 50/60Hz coil powered at (	2רוטט	in-rush	VA	25
			holding	VA VA	3
	of 60Hz coil powered at 60H	17	noiding	٧A	5
			in-rush	VA	30
			holding	VA	4
Dissipation at holding	≤20°C 50Hz			W	0.95
DC coil operating					
DC rated control volta	ge				
			min	V	6
			max	V	480
Average coil consum	otion ≤20°C				
			in-rush	W	3.2
			holding	W	3.2
Max cycles frequency				evels - //	2000
Mechanical operation	6			cycles/h	3600
Operating times Average time for Us of	ontrol				
Average unie ior US (	in AC				
		sing NO			
			min	ms	12
			max	ms	21
	Ope	ening NO	max		
	• P	5	min	ms	9
			max	ms	18
	Clos	sing NC			
			min	ms	17
			max	ms	26
	Ope	ening NC			
			min	ms	7
			max	ms	17
	in DC				
	Clos	sing NO	<u>.</u>		4.0
			min	ms	18

11BG0910A400 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

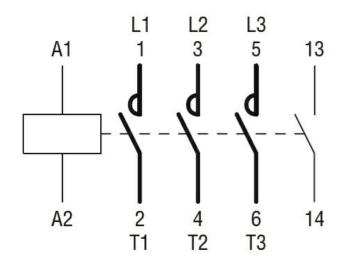
11BG0910A400



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 9A, AC COIL 50/60HZ, 400VAC, 1NO AUXILIARY CONTACT

		max	ms	25
	Opening N			
	-1- 3	min	ms	2
		max	ms	3
	Closing NC			·
	Closing re	min	ms	3
		max	ms	5
	Opening N		1115	0
	Opening N	min	me	11
			ms	
		max	ms	17
UL technical data	for three shoes AQ motor			
Full-load current (FLA) f	for three-phase AC motor			
		at 480V	A	7.6
		at 600V	A	6.1
Yielded mechanical per				
	for single-phase AC motor			
		110/120V	hp	0.5
		230V	hp	1.5
	for three-phase AC motor			
		200/208V	hp	2
		220/230V	hp	3
		460/480V	hp	5
		575/600V	hp	5
Contact rating of auxiliar	ry contacts according to UL			A600 - Q600
General USE	, , , , , , , , , , , , , , , , , , , ,			
	Contactor			
		AC current	А	20
Ambient conditions				
Temperature				
rompolataro	Operating temperature			
	Operating temperature	min	°C	-40
			°C	-40 60
		max	U	00
	Storage temperature		°C	FF
		min		-55
NA		max	°C	70
Max altitude			m	3000
Resistance & Protection	n			
Pollution degree				3
Dimensions				
4.4 (0.17") (0	€ (2.24 <sup>"</sup> ) (2.24 <sup>"</sup> ) (2.24 <sup>"</sup> ) (2.24 <sup>"</sup> ) (2.24 <sup>"</sup> ) (2.24 <sup>"</sup> ) (2.24 <sup>"</sup> )	44 (1.73") (1.73") (1.73") (1.73") (1.73") (1.74") (1.75") (1.	58 (2.28") 50 (2)	57
	34.9	(1.37") 3. (1.37") (0.1 (1.73")	2")	RF9 





## 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
ETHAO HANNER CONTRACT	

ETIM 6 classification

EC000066 - Power contactor, AC switching