



Product designation		Auxiliary contactor
Product type designation		BG12
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	Α	20
Operational current le		
AC-1 (≤40°C)	А	20
AC-1 (≤55°C)	А	18
AC-1 (≤70°C)	А	15
AC-3 (≤440V ≤55°C)	А	12
AC-4 (400V)	А	4.8
Rated operational power AC-3 (T≤55°C)		
230V	kW	3.2
400V	kW	5.7
415V	kW	6.2
440V	kW	5.5
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	А	4
110V	А	3
220V	А	_
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series		
≤24V	А	15
48V	А	14
75V	А	9
110V	А	8
220V	А	_
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series		
≤24V	А	16
48V	A	16
75V	А	10
110V	А	10



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MINICONTACTEUR, BG1210A, 3P+1NO, 12A AC3, 230V 50/60HZ

	220V	А	2	
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	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	A	5	
	110V	A	4	
	220V	A	_	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series				
	≤24V	А	10	
	48V	A	10	
	75V	A	6	
	110V	A	5	
	220V	A	0,8	
IEC max current le in DC3-DC5 with L/R \leq 15ms with 4 poles in series	2201	7	0,0	
	≤24V	А	_	
	48V	A	_	
	75V	A	_	
	110V	A	_	
	220V	A	_	
Short-time allowable current for 10s (IEC/EN60947-1)	220 V	A	96	
Protection fuse		Α	50	
	gG (IEC)	А	20	
	aM (IEC)	A	16	
Making capacity (RMS value)		 A	120	
Breaking capacity at voltage		A	120	
breaking capacity at voltage	440V	А	96	
	500V	A	90 72	
	690V	A	72	
Pagistanga par pala (avaraga valua)	090 v	mΩ	10	
Resistance per pole (average value)		11152	10	
Power dissipation per pole (average value)	146	۱۸/	1	
	Ith AC-3	W W	4 1.4	
Tightoning torque for terminale	AC-3	٧V	1.4	
Tightening torque for terminals		Nime	0.9	
	min	Nm	0.8	
	max	Nm	1	
	min	lbin Ibin	9	
Tightoning torque for coll torminal	max	lbin	9	
Tightening torque for coil terminal		N 1 -	0.0	
	min	Nm	0.8	
	max	Nm	1	
	min	lbin	9	



		max	Ibin	9
Max number of wires simultaneou	isly connectable		Nr.	2
Conductor section	11			
AWG/Kcr	mii			12
Florible	v/o lug conductor section	max		12
T TEXIDIE V	wo lug conductor section	min	mm²	0.8
		max	mm²	2.5
Flexible o	/w lug conductor section	Пах		2.0
		min	mm²	1.5
		max	mm²	2.5
Flexible v	vith insulated spade lug conductor section			
	1 5	min	mm²	1.5
		max	mm²	2.5
Power terminal protection accord	ing to IEC/EN 60529			IP20
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rail
-				35mm
Weight			g	200
Conductor section				
AWG/kcn	nil conductor section			
		max		12
Auxiliary contact characteristics			•	10
Thermal current Ith			A	10
EC/EN 60947-5-1 designation				A600
Operating current AC15		0001	^	0
		230V 400V	A	3
		400V 500V	A A	1.9 1.4
Operating current DC12		500 v	A	1.4
Sperating current DC12		110V	А	2.9
Operating current DC13		1100	A	2.9
Sperating current DC13		24V	А	2.9
		48V	A	1.4
		40V 60V	A	1.4
		110V	A	0.6
		125V	А	0.55
			A A	0.55 0.3
		125V		
Operations		125V 220V	А	0.3
Operations Mechanical life		125V 220V	А	0.3
		125V 220V	A A	0.3 0.1
Mechanical life		125V 220V	A A cycles	0.3 0.1 20000000
Vechanical life Electrical life	ng to EN/ISO 13489-1	125V 220V	A A cycles	0.3 0.1 20000000
Mechanical life Electrical life Safety related data	ng to EN/ISO 13489-1	125V 220V	A A cycles	0.3 0.1 20000000
Mechanical life Electrical life Safety related data		125V 220V 600V	A A cycles cycles	0.3 0.1 20000000 500000
Mechanical life Electrical life Safety related data	me	125V 220V 600V	A A cycles cycles	0.3 0.1 20000000 500000 500000
Vechanical life Electrical life Safety related data Performance level B10d accordir	me	125V 220V 600V	A A cycles cycles	0.3 0.1 20000000 500000 500000 20000000
Mechanical life Electrical life Safety related data Performance level B10d accordir Mirror contats according to IEC/E	me	125V 220V 600V	A A cycles cycles	0.3 0.1 20000000 500000 500000 20000000 YES

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AC operating voltage					
	of 50/60Hz coil power				
		pick-up			
			min	%Us	75
			max	%Us	115
		drop-out		o	
			min	%Us	20
			max	%Us	55
	of 50/60Hz coil power				
		pick-up			
			min	%Us	80
			max	%Us	115
		drop-out			
			min	%Us	20
			max	%Us	55
AC average coil consu					
	of 50/60Hz coil power	red at 50Hz			
			in-rush	VA	30
			holding	VA	4
	of 50/60Hz coil power	red at 60Hz			
			in-rush	VA	25
			holding	VA	3
	of 60Hz coil powered	at 60Hz			
			in-rush	VA	30
			holding	VA	4
Dissipation at holding	≤20°C 50Hz			W	0.9
Max cycles frequency					
Mechanical operation				cycles/h	3600
				cycles/h	3600
Mechanical operation Operating times	ontrol			cycles/h	3600
Mechanical operation	ontrol in AC			cycles/h	3600
Mechanical operation Operating times		Closing NO		cycles/h	3600
Mechanical operation Operating times		Closing NO	min	cycles/h	3600
Mechanical operation Operating times		Closing NO		ms	12
Mechanical operation Operating times		-	min max		
Mechanical operation Operating times		Closing NO Opening NO	max	ms ms	12 21
Mechanical operation Operating times		-	max	ms ms ms	12 21 9
Mechanical operation Operating times		Opening NO	max	ms ms	12 21
Mechanical operation Operating times		-	max min max	ms ms ms ms	12 21 9 18
Mechanical operation Operating times		Opening NO	max min max min	ms ms ms ms ms	12 21 9 18 17
Mechanical operation Operating times		Opening NO Closing NC	max min max	ms ms ms ms	12 21 9 18
Mechanical operation Operating times		Opening NO	max min max min max	ms ms ms ms ms	12 21 9 18 17 26
Mechanical operation Operating times		Opening NO Closing NC	max min max min max min	ms ms ms ms ms ms	12 21 9 18 17 26 7
Mechanical operation Operating times	in AC	Opening NO Closing NC	max min max min max	ms ms ms ms ms	12 21 9 18 17 26
Mechanical operation Operating times		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
Mechanical operation Operating times	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
Mechanical operation Operating times	in AC	Opening NO Closing NC Opening NC	max min max min max min max min	ms ms ms ms ms ms ms	12 21 9 18 17 26 7 17 18
Mechanical operation Operating times	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
Mechanical operation Operating times	in AC	Opening NO Closing NC Opening NC	max min max min max min max min max	ms ms ms ms ms ms ms ms	12 21 9 18 17 26 7 17 17
Mechanical operation Operating times	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	12 21 9 18 17 26 7 17 17 18 25 2
Mechanical operation Operating times	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	12 21 9 18 17 26 7 17 17
Mechanical operation Operating times	in AC	Opening NO Closing NC Opening NC Closing NO	max min max min max min max min max min max	ms ms ms ms ms ms ms ms ms ms	12 21 9 18 17 26 7 17 18 25 2 3
Mechanical operation Operating times	in AC	Opening NO Closing NC Opening NC Closing NO Opening NO	max min max min max min max min max min max min	ms ms ms ms ms ms ms ms ms ms ms	12 21 9 18 17 26 7 17 17 18 25 2 3 3
Mechanical operation Operating times	in AC	Opening NO Closing NC Opening NC Closing NO Opening NO	max min max min max min max min max min max	ms ms ms ms ms ms ms ms ms ms	12 21 9 18 17 26 7 17 18 25 2 3

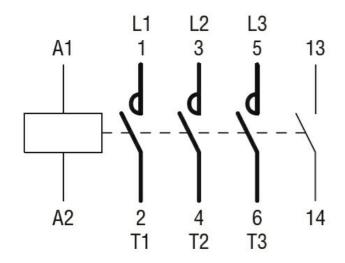
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		min	ms	11
		max	ms	17
UL technical data				
Full-load current (FL	A) for three-phase AC motor			
		at 480V	А	11
		at 600V	А	11
Yielded mechanical	performance			
	for single-phase AC motor			
		110/120V	HP	0.5
		230V	HP	1.5
	for three-phase AC motor			
		200/208V	HP	3
		220/230V	HP	3
		460/480V	HP	7.5
		575/600V	HP	10
General USE		373/000V		10
General USE	Contactor			
	Contactor		^	20
01		AC current	A	20
Short-circuit protecti				
	High fault			
		Short circuit current	kA	100
		Fuse rating	А	30
		Fuse class		J
	Standard fault			
		Short circuit current	kA	5
		Fuse rating	А	30
		Fuse class		RK5
Contact rating of aux	kiliary contacts according to UL			A600 - Q600
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	+70
	Storage temperature			
	- ·	min	°C	-60
		max	°Č	+80
Max altitude			m	3000
Resistance & Protect	ction			
Pollution degree				3
Dimensions				<u> </u>
44 4.4 (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.13") (0.38") (0.38") (0.38")			(2.28") 5	57 24") RF9 RF9
8.5 (0.33")		44 (1.73")	-	89.2
Wiring diagrams		(1.73)		(0.01)
and a starting and a				

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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