



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)	A	18
	AC-1 (≤70°C)	A	15
	AC-3 (≤440V ≤55°C)	A	12
	AC-4 (400V)	A	4.8
Rated operational power AC-3 (T≤55°C)			
	230V	kW	3.2
	400V	kW	5.7
	400V 415V	kW	6.2
	440V	kW	5.5
	500V	kW	5
	690V	kW	5
Rated operational power AC-1 (T≤40°C)	090 V	r v v	5
	230V	kW	8
	230V 400V	kW	
	400V 500V		14
		kW kW	16 22
ICC may surrant la in DC1 with $I/D < 1$ may with 1 males in series	690V	KVV	22
IEC max current le in DC1 with $L/R \le 1$ ms with 1 poles in series	-0.0.1		10
	≤24V	A	12
	48V	A	10
	75V	A	4
	110V	A	3
	220V	A	
IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series		_	
	≤24V	A	15
	48V	A	14
	75V	A	9
	110V	A	8
	220V	A	_
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series			
	≤24V	А	16
	48V	А	16
	75V	Α	10
	110V	Α	10

11BG1210A22060 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



11BG1210A22060 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 12A, AC COIL 60HZ, 220VAC, 1NO AUXILIARY CONTACT

	220V	A	2
IEC max current le in DC1 with $L/R \le 1$ ms with 4 poles in series			
	≤24V	Α	-
	48V	А	_
	75V	А	-
	110V	А	_
	220V	A	_
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series	220 V		
TEC max current le in DC3-DC3 with E/K = 15ms with 1 poles in series	(04)/	^	7
	≤24V	A	7
	48V	A	6
	75V	A	2
	110V	Α	1
	220V	А	-
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series			
	≤24V	А	8
	48V	A	8
	48V 75V		
		A	5
	110V	Α	4
	220V	Α	-
IEC max current le in DC3-DC5 with L/R \leq 15ms with 3 poles in series			
	≤24V	А	10
	48V	А	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			
	≤24V	Α	-
	48V	Α	-
	75V	А	_
	110V	А	_
	220V	A	_
Short-time allowable current for 10s (IEC/EN60947-1)		A	96
		~	90
Protection fuse	0 (1=0)		
	gG (IEC)	A	20
	aM (IEC)	Α	16
Making capacity (RMS value)		Α	120
Breaking capacity at voltage			
- · · -	440V	А	96
	500V	A	72
	690V	A	72
Desistance per pala (overage value)	0900		
Resistance per pole (average value)		mΩ	10
Power dissipation per pole (average value)			
	lth	W	4
	AC-3	W	1.4
Tightening torque for terminals			
	min	Nm	0.8
	max	Nm	1
	min	Ibin	9
The second second for a second s	max	lbin	9
Tightening torque for coil terminal			
	min	Nm	0.8
	max	Nm	1
	min	lbin	9



11BG1210A22060 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 12A, AC COIL 60HZ, 220VAC, 1NO AUXILIARY CONTACT

Max number of wires (simultaneously connectable	max	Ibin Nr.	9
Conductor section			INF.	2
	AWG/Kcmil			
	AWO/Acimi	max		12
	Flexible w/o lug conductor section	Шах		12
		min	mm²	0.8
		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	1		
		min	mm²	1.5
		max	mm²	2.5
Power terminal protec	tion according to IEC/EN 60529			IP20
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN ra
Fixing				35mm
Weight			g	200
Conductor section				
	AWG/kcmil conductor section			
		max		12
Auxiliary contact chara	acteristics			
Thermal current Ith			Α	10
IEC/EN 60947-5-1 de				A600
Operating current AC	15			
		230V	A	3
		400V	A	1.9
		500V	A	1.4
Operating current DC	12			
		110V	Α	2.9
Operating current DC	13			
		24V	A	2.9
		48V	Α	1.4
		60V	Α	1.2
		110V	Α	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
	ng to IEC/EN 609474-4-1			YES
EMC compatibility				YES
AC coil operating Rated AC voltage at 6			V	220

11BG1210A22060 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



AC operating voltage					
	of 60Hz coil powe				
		pick-up			
			min	%Us	75
			max	%Us	115
		drop-out			
		·	min	%Us	20
			max	%Us	55
AC average coil consu	imption at 20°C		Пах	/003	55
AC average con consc					
	of 50/60Hz coil po	wered at 50Hz			
			in-rush	VA	30
			holding	VA	4
	of 50/60Hz coil po	wered at 60Hz			
			in-rush	VA	25
			holding	VA	3
	of 60Hz coil powe	red at 60Hz	5		
			in-rush	VA	30
			holding	VA	4
Dissipation at halding	<20°C E04-		noiuing		
Dissipation at holding				W	0.9
Max cycles frequency					
Mechanical operation				cycles/h	3600
Operating times					
Average time for Us co	ontrol				
	in AC				
		Closing NO			
			min	ms	12
			max	ms	21
			IIIdX	1115	<u>ک</u> ا
		Opening NO	•		0
			min	ms	9
			max	ms	18
		Closing NC			
			min	ms	17
			max	ms	26
		Opening NC			
			min	ms	7
			max	ms	, 17
	in DC		Шах	1113	. /
		Closing NO			10
			min	ms	18
			max	ms	25
		Opening NO			
			min	ms	2
			max	ms	3
		Closing NC			
		5 -	min	ms	3
			max	ms	5
			max	113	5
		Opening NC			44
			min	ms	11
			max	ms	17
UL technical data					
Full-load current (FLA)	for three-phase AC	motor			
``'			at 480V	А	11
			at 600V	A	11
Violded mechanical pe				А	11

Yielded mechanical performance

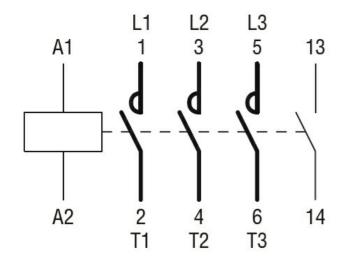


11BG1210A22060 THREE-POLE CONTACTOR, IEC OPERATING CU

URRENT IE (AC3) = 12A, AC COIL 60HZ,
220VAC, 1NO AUXILIARY CONTACT

f	for single-phase AC motor			
		110/120V	HP	0.5
		230V	HP	1.5
f	for three-phase AC motor			
	·	200/208V	HP	3
		220/230V	HP	3
		460/480V	HP	7.5
		575/600V	HP	10
General USE				
(Contactor			
		AC current	А	20
Short-circuit protection fu	use, 600V			
I	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 auxiliary	y contacts according to UL			A600 - Q600
Ambient conditions				
Temperature				
(Operating temperature			
		min	°C	-50
_		max	°C	+70
Ś	Storage temperature			
		min	°C	-60
		max	°C	+80
Max altitude			m	3000
Resistance & Protection				
Pollution degree				3
Dimensions				
$\begin{array}{c} 44 \\ 44 \\ (0.17) \\ \hline \\ $				
(0.33") 8.5 (0.33")	.37")	F		





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