



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		А	16
Operational current le			
	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)			
······································	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 = 1ms with 2 poles in series			
	=24V	А	12
	48V	А	11
	75V	А	7
	110V	А	6
	220V	А	-
EC max current le in DC1 with L/R = 1ms with 3 poles in series			
	=24V	А	14
	48V	A	14
	48V 75V	A A	14 8



11BG0610A02460 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 6A, AC COIL 60HZ,

24VAC, 1NO AUXILIARY CONTACT

		_	
	220V	A	1
IEC max current le in DC1 with L/R = 1ms with 4 poles in series			
	=24V	А	_
	48V	А	_
	75V	A	_
	110V	A	
			_
	220V	A	-
IEC max current le in DC3-DC5 with L/R = 15ms with 1 poles in series			
	=24V	Α	6
	48V	Α	5
	75V	А	2
	110V	А	1
	220V	A	-
	2201	A	
IEC max current le in DC3-DC5 with L/R = 15ms with 2 poles in series			
	=24V	Α	7
	48V	А	7
	75V	А	4
	110V	А	3
	220V	A	-
IEC max ourrant to in DC2 DC5 with L/P = 15mg with 2 palas in action	2201	7	
IEC max current le in DC3-DC5 with L/R = 15ms with 3 poles in series	• • • •		2
	=24V	A	9
	48V	Α	9
	75V	Α	5
	110V	А	4
	220V	А	0,5
IEC max current le in DC3-DC5 with L/R = 15ms with 4 poles in series			0,0
	241/	۸	
	=24V	A	-
	48V	A	-
	75V	А	-
	110V	Α	-
	220V	А	-
Short-time allowable current for 10s (IEC/EN60947-1)		А	96
Protection fuse			
T TOLEGION NUSE		^	10
	gG (IEC)	Α	16
	aM (IEC)	A	6
Making capacity (RMS value)		Α	92
Breaking capacity at voltage			
- · · -	440V	А	72
	500V	A	72
	690V		72
	090V	A	
Resistance per pole (average value)		m?	10
Power dissipation per pole (average value)			
	Ith	W	2.6
	AC3	W	0.36
Tightening torque for terminals			
	min	Nm	0.8
	max	Nm	1
	min	Ibin	9
	max	lbin	9
Tightening torque for coil terminal			
	min	Nm	0.8
	max	Nm	1
	min	Ibin	9
	111111		3



11BG0610A02460 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 6A, AC COIL 60HZ, 24VAC, 1NO AUXILIARY CONTACT

lbin 9 max 2 Max number of wires simultaneously connectable Nr. Conductor section AWG/Kcmil max 12 Flexible w/o lug conductor section min mm² 0.75 mm² 2.5 max Flexible c/w lug conductor section 1.5 min mm² max mm² 2.5 Flexible with insulated spade lug conductor section 1.5 mm² min mm² 2.5 max Power terminal protection according to IEC/EN 60529 IP20 when wired Mechanical features Operating position Vertical plan normal allowable ±30° Screw / DIN rail Fixing 35mm Weight 180 g Conductor section AWG/kcmil conductor section 12 max Auxiliary contact characteristics Thermal current Ith А 10 IEC/EN 60947-5-1 designation A600 - Q600 Operating current AC15 230V А 3 400V А 1.9 500V А 1.4 Operating current DC12 110V А 2.9 **Operating current DC13** 24V А 2.9 48V 1.4 А 60V А 1.2 110V А 0.6 125V А 0.55 220V А 0.3 600V А 0.1 Operations 20000000 Mechanical life cycles Electrical life 500000 cycles Safety related data Performance level B10d according to EN/ISO 13489-1 500000 rated load cycles 20000000 mechanical load cycles Mirror contats according to IEC/EN 609474-4-1 yes EMC compatibility yes AC coil operating Rated AC voltage at 60Hz V 24



AC operating voltage					
to operating vertage	of 60Hz coil po	wered at 60Hz			
		pick-up			
			min	%Us	75
			max	%Us	115
		drop-out		0/11	
			min	%Us	20
AC average coil cons	sumption at 20°C		max	%Us	55
to average con cons		powered at 50Hz			
			in-rush	VA	30
			holding	VA	4
	of 50/60Hz coil	powered at 60Hz	0		
			in-rush	VA	25
			holding	VA	3
	of 60Hz coil po	wered at 60Hz			
			in-rush	VA	30
			holding	VA	4
Dissipation at holding				W	0.95
Max cycles frequency Mechanical operation				cycles/h	3600
Operating times				Cycles/II	3000
Average time for Us of	control				
Ū	in AC				
		Closing NO			
			min	ms	12
			max	ms	21
		Opening NO			
			min	ms	9
			max	ms	18
		Closing NC	min	me	17
			max	ms ms	26
		Opening NC	Шал	1113	20
			min	ms	7
			max	ms	17
	in DC				
		Closing NO			
			min	ms	18
			max	ms	25
		Opening NO	<u>.</u>		0
			min	ms	2
			max	ms	3
		Closing NC	min	me	3
			max	ms ms	3 5
		Opening NC	IIIdA	113	5
		e por mig rite	min	ms	11
			max	ms	17
UL technical data					
	A) for three-phase	AC motor			
Full-load current (FLA	A) for three-phase .	AC motor	at 480V at 600V	A A	4.8 3.9

Yielded mechanical performance

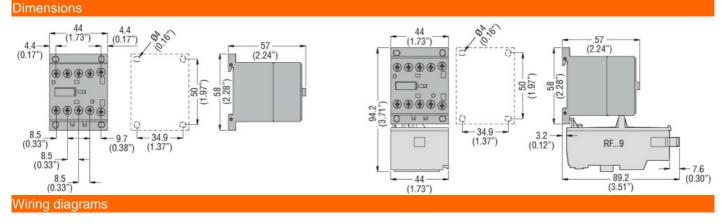


11BG0610A02460 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 6A, AC COIL 60HZ, 24VAC, 1NO AUXILIARY CONTACT

ENERGY AND AUTOMATION	24VAC, 1NO AUXILIARY CONTACTOR, IEC OPERATING CORRENT IE (AC3) – 0A, AC COIL 0012, 24VAC, 1NO AUXILIARY CONTACT			
	for single-phase AC 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
General USE				
	Contactor			
		AC current	А	16
Short-circuit protection	n fuse, 600V			
	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
Contact rating of auxil	iary contacts according to UL			A600 - Q600
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50

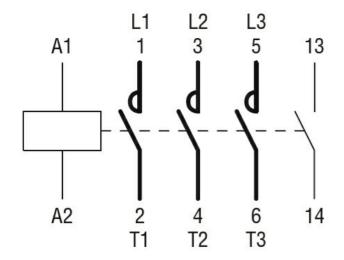
	min	C	-50	
	max	°C	+70	
Storage temperature				
	min	°C	-60	
	max	°C	+80	
Max altitude		m	3000	
Resistance & Protection				

Pollution degree



3





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