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	BG0910A NO22
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Product designation			Power contactor
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)	А	14
	AC-1 (≤70°C)	A	12
	AC-3 (≤440V ≤55°C)	А	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
IEC max current le in DC1 with $L/R \le 1$ ms with 1 poles in series			
	≤24V	A	9
	48V	A	8
	75V	A	4
	110V	А	3
	220V	A	_
IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series			
	≤24V	A	12
	48V	A	11
	75V	A	7
	110V	A	6
	220V	A	_
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series			
	≤24V	A	14
	48V	A	14
	75V	А	8
	110V	A	8



## 11BG0610A024

Stycznik 3 polowy, 6A w AC3, wbudowany zestyk 1NO, 24VAC 50/60Hz

	220V	А	1
IEC max current le in DC1 with $L/R \le 1$ ms 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 $\leq$ 15ms with 1 poles in series			
	≤24V	А	6
	48V	А	5
	75V	А	2
	110V	А	1
	220V	А	_
IEC max current le in DC3-DC5 with L/R $\leq$ 15ms with 2 poles in series			
	≤24V	А	7
	48V	А	7
	75V	А	4
	110V	А	3
	220V	А	_
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series			
	≤24V	А	9
	48V	А	9
	75V	А	5
	110V	A	4
	220V	A	0.5
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series			
	≤24V	А	_
	48V	A	_
	75V	A	_
	110V	A	_
	220V	A	_
Short-time allowable current for 10s (IEC/EN60947-1)		A	96
Protection fuse		7	00
	gG (IEC)	А	16
	aM (IEC)	A	6
Making capacity (RMS value)		A	92
Breaking capacity at voltage		Λ	92
Dicaking capacity at voltage	440V	۸	72
	440V 500V	A A	72 72
	690V	A	72
Resistance per pole (average value)	090 v	 mΩ	10
Power dissipation per pole (average value)		11122	10
rower ussipation per pole (average value)	lth	W	2.6
	101	vv	
	A C 2	۱۸/	0.36
Tightoning torque for terminels	AC3	W	0.36
Tightening torque for terminals			
Tightening torque for terminals	min	Nm	0.8
Tightening torque for terminals	min max	Nm Nm	0.8 1
Tightening torque for terminals	min max min	Nm Nm Ibin	0.8 1 0.59
	min max	Nm Nm	0.8 1
	min max min max	Nm Nm Ibin Ibin	0.8 1 0.59 0.74
Tightening torque for terminals	min max min max min	Nm Nm Ibin Ibin	0.8 1 0.59 0.74 0.8
	min max min max	Nm Nm Ibin Ibin	0.8 1 0.59 0.74



		max	lbft	0.74
	simultaneously connectable		nr.	2
Conductor section				
	Flexible w/o lug conductor section		2	0.75
		min	mm²	0.75
		max	mm²	2.5
	Flexible c/w lug conductor section			4 5
		min	mm²	1.5
	Elevitete with included allowed by several state	max	mm²	2.5
	Flexible with insulated spade lug conduct			4 5
		min	mm² mm²	1.5 2.5
Dower terminal protect	ation according to IEC/EN 60520	max	111111	IP20 when wired
Mechanical features	ction according to IEC/EN 60529			IP20 when when
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rail 35mm
Weight			g	179
Auxiliary contact chara	acteristics		Э	
Type of contact				1 NO
Thermal current Ith			Α	10
IEC/EN 60947-5-1 de	esignation		7.	A600 - Q600
Operating current AC				1000 0000
oporating carron re		230V	А	3
		400V	A	1.9
		500V	A	1.4
Operating current DC	12			
1 0		110V	А	2.9
Operating current DC	13			
		24V	А	2.9
		48V	А	1.4
		60V	А	1.2
		110V	А	0.6
		125V	А	0.55
		220V	А	0.3
		600V	А	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				
Rated AC voltage at 5	50/60Hz		V	24
AC operating voltage				
	of 50/60Hz coil powered at 50Hz			
	pick-up			
		min	%Us	75



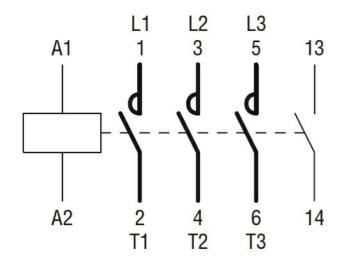
			max	%Us	115
		drop-out			
			min	%Us	20
			max	%Us	55
	of 50/60Hz coil pov	vered at 60Hz			
		pick-up			
			min	%Us	80
			max	%Us	115
		drop-out			
			min	%Us	20
	mention at 00%0		max	%Us	55
AC average coil consu		warad at EOUT			
	of 50/60Hz coil pov	vered at 50HZ	in-rush	VA	30
			holding	VA VA	4
	of 50/60Hz coil pov	vered at 60Hz	noiding	VA	4
		VEIGU AL UUNZ	in-rush	VA	25
			holding	VA VA	3
	of 60Hz coil power	ed at 60Hz	noiding	۷A	<u> </u>
			in-rush	VA	30
			holding	VA	4
Dissipation at holding	≤20°C 50Hz			W	0.95
Max cycles frequency					
Mechanical operation				cycles/h	3600
Operating times				-	
Average time for Us co	ontrol				
	in AC				
		Closing NO			
					10
			min	ms	12
			max	ms ms	12 21
		Opening NO	max	ms	21
		Opening NO	max min	ms ms	21 9
			max	ms	21
		Opening NO Closing NC	max min max	ms ms ms	21 9 18
			max min max min	ms ms ms ms	21 9 18 17
		Closing NC	max min max	ms ms ms	21 9 18
			max min max min max	ms ms ms ms ms	21 9 18 17 26
		Closing NC	max min max min max min	ms ms ms ms ms	21 9 18 17 26 7
	in DC	Closing NC	max min max min max	ms ms ms ms ms	21 9 18 17 26
	in DC	Closing NC Opening NC	max min max min max min	ms ms ms ms ms	21 9 18 17 26 7
	in DC	Closing NC	max min max min max min	ms ms ms ms ms	21 9 18 17 26 7
	in DC	Closing NC Opening NC	max min max min max min max	ms ms ms ms ms ms ms	21 9 18 17 26 7 17
	in DC	Closing NC Opening NC	max min max min max min max	ms ms ms ms ms ms ms	21 9 18 17 26 7 17 18 25
	in DC	Closing NC Opening NC Closing NO	max min max min max min max	ms ms ms ms ms ms ms ms	21 9 18 17 26 7 17 17 18 25 2
	in DC	Closing NC Opening NC Closing NO Opening NO	max min max min max min max	ms ms ms ms ms ms ms ms	21 9 18 17 26 7 17 18 25
	in DC	Closing NC Opening NC Closing NO	max min max min max min max min max	ms ms ms ms ms ms ms ms ms ms	21 9 18 17 26 7 17 17 18 25 2 3
	in DC	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	21 9 18 17 26 7 17 17 18 25 2 3 3
	in DC	Closing NC Opening NC Closing NO Opening NO Closing NC	max min max min max min max min max	ms ms ms ms ms ms ms ms ms ms	21 9 18 17 26 7 17 17 18 25 2 3
	in DC	Closing NC Opening NC Closing NO Opening NO	max min max min max min max min max min max min max	ms ms ms ms ms ms ms ms ms ms ms ms	21 9 18 17 26 7 17 17 18 25 2 3 3 5
	in DC	Closing NC Opening NC Closing NO Opening NO Closing NC	max min max min max min max min max min max min max min max	ms ms ms ms ms ms ms ms ms ms ms ms	21 9 18 17 26 7 17 17 18 25 2 3 3 5 11
UL technical data	in DC	Closing NC Opening NC Closing NO Opening NO Closing NC	max min max min max min max min max min max min max	ms ms ms ms ms ms ms ms ms ms ms ms	21 9 18 17 26 7 17 17 18 25 2 3 3 5

## Full-load current (FLA) for three-phase AC motor



		at 480V	Α	4.8	
		at 600V	А	3.9	
Yielded mechanical p	performance				
	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	on 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	А	30	
Contact rating of auxi	iliary contacts according to UL			A600 - Q6	600
Ambient conditions					
Temperature					
	Operating temperature				
		min	°C	-50	
		max	°C	+70	
	Storage temperature				
		min	°C	-60	
		max	°C	+80	
Max altitude			m	3000	
Resistance & Protect	tion				
Pollution degree				3	
Dimensions					
44 (1.73") (0.17"	× 0	44 6 5			
4.4 (0.17") (0.17"	- / 0.	(1.73") (2.5°)	- (2	57 .24")	
Ψ <u>Ψ</u>	(2.24")		3		
* * * * * *		0 € € € € € € € € € € € € € € € € € € €	(2.28")	-	
	50 [(1.97") [2.28")		(2)		
• • • • • •		94.2 0 • • • • • • • • • • • • • • • • • • •			
8.5 (0.33") (0.38")		- 34.9 - 3.2 -	-		1
8.5	(1.37")	(1.37") (0.12"	)	RF9	
(0.33")			5		
				00.0	
8.5 (0.33")		44 (1.73")	-	89.2 (3.51")	- (0.30")
(0.33") Wiring diagrams		44	L	89.2 (3.51")	→ (0.30")





## 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