



Product designation Power contactor Product type designation **BG09** Contact characteristics 3 Number of poles nr. Rated insulation voltage Ui IEC/EN ٧ 690 k۷ Rated impulse withstand voltage Uimp 6 Operational frequency min Нъ 25 max Hz 400 IEC Conventional free air thermal current Ith 20 Α Operational current le AC-1 (≤40°C) Α 20 AC-1 (≤55°C) Α 0 AC-3 (≤440V ≤55°C) 9 Α AC-4 (400V) Α 4 Rated operational power AC-3 (T≤55°C) 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 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series ≤24V Α 12 48V Α 10 75V Α 4 110V Α 3 220V Α IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series ≤24V Α 15 48V Α 14 75V 9 Α 110V Α 8 220V _ IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V Α 16 48V Α 16 75V Α 10 110V Α 10 220V 2



IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
	≤24V	Α	16
	48V	Α	16
	75V	Α	10
	110V	Α	10
	220V	Α	2
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			_
The max deficit to in 200 200 with 210 = Tome with 1 poloc in conce	≤24V	Α	7
	48V	A	6
	75V	A	2
	110V	A	1
IFC may augment to in DC2 DC5 with L/D < 45 mg with 2 males in acrise	220V	Α	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series	.0.0.4		
	≤24V	Α	8
	48V	Α	8
	75V	Α	5
	110V	Α	4
	220V	Α	_
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series			
	≤24V	Α	10
	48V	Α	10
	75V	Α	6
	110V	Α	5
	220V	Α	0.8
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series			
'	≤24V	Α	10
	48V	Α	10
	75V	Α	6
	110V	A	5
	220V	A	0.8
Short-time allowable current for 10s (IEC/EN60947-1)	220 V	A	96
Protection fuse			30
r lotection luse	aC (IEC)	Α	20
	gG (IEC)		
Making and its (DMC calca)	aM (IEC)	A	10
Making capacity (RMS value)		Α	92
Breaking capacity at voltage		_	
	440V	Α	72
	500V	Α	72
	690V	Α	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	lbin	0.59
	max	lbin	0.74
Tightening torque for coil terminal			
<u> </u>	min	Nm	0.8
	max	Nm	1
	min	lbft	0.8
		Ibit	0.74
	max	וטונ	0.7 7



Max number of wires	simultaneously connectable		nr.	2
Conductor section	·			
	Flexible w/o lug conductor section			
		min	mm²	0.75
	Fig. 71 / . I I . day	max	mm²	2.5
	Flexible c/w lug conductor section	min	mm²	1.5
		max	mm²	2.5
	Flexible with insulated spade lug conduc			2.0
	Tioxibio with inculated space lag conduc	min	mm²	1.5
		max	mm²	2.5
Power terminal protect	tion according to IEC/EN 60529			IP20 when wired
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rail 35mm
Weight			g	180
Auxiliary contact chara	acteristics			
Type of contact				1 NC
Thermal current Ith			Α	10
IEC/EN 60947-5-1 des				A600 - Q600
Operating current AC1	15	230V	Α	3
		400V	A	1.9
		500V	A	1.4
Operating current DC1	12			
		110V	Α	2.9
Operating current DC1	13			
		24V	Α	2.9
		48V	A	1.4
		60V	A	1.2
		110V 125V	A	0.6
		220V	A A	0.55 0.3
		600V	A	0.1
Operations		3331	,,	
Mechanical life			cycles	20000000
Electrical life			cycles	500000
Safety related data				
Performance level B1	0d according to EN/ISO 13489-1			
		rated load	cycles	500000
	150/5N 000 454 4 4	mechanical load	cycles	20000000
	ng to IEC/EN 609474-4-1			yes
EMC compatibility	∩⊔		V	Yes
Rated AC voltage at 6 AC coil operating	UI IZ		V	48
AC operating voltage				
oporating voltage	of 60Hz coil powered at 60Hz			
	pick-up			
	·	min	%Us	75
		max	%Us	115



		drop-out			
			min	%Us	20
			max	%Us	55
AC average coil consu	mption at 20°C				
· ·	of 50/60Hz coil powe	red at 50Hz			
	·		in-rush	VA	30
			holding	VA	4
	of 50/60Hz coil powe	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	0.95
Max cycles frequency					
Mechanical operation				cycles/h	3600
Operating times					
Average time for Us co	ntrol				
-	in AC				
		Closing NO			
		-	min	ms	12
			max	ms	21
		Opening NO			
		-	min	ms	9
			max	ms	18
		Closing NC			
			min	ms	17
			max	ms	26
		Opening NC			
			min	ms	7
			max	ms	17
	in DC				
		Closing NO			
			min	ms	18
			max	ms	25
		Opening NO			
			min	ms	2
			max	ms	3
		Closing NC	_		_
			min	ms	3
		0 NO	max	ms	5
		Opening NC			4.4
			min	ms	11
III to shained date			max	ms	17
UL technical data	for three where AO	otor			
Full-load current (FLA)	for three-phase AC mo	otor	-1.4001/	Δ.	7.0
			at 480V	A	7.6
Violded messberring!	rformones		at 600V	Α	6.1
Yielded mechanical pe					
	for single-phase AC r	notor	440/4001	110	0.5
			110/120V	HP	0.5
	for three witness AO		230V	HP	1.5
	for three-phase AC m	ΙΟΙΟΓ	000/0001	וור	2
			200/208V	HP	2



		220/230V	HP	3
		460/480V	HP	5
		575/600V	HP	5
General USE				
	Contactor			
	Comacto.	AC current	Α	20
Short-circuit protectio	n fuse 600V	710 durient		20
Short-circuit protectio				
	High fault	Short circuit current	LΔ	400
			kA	100
		Fuse rating	Α	30
	-	Fuse class		J
	Standard fault			
		Short circuit current	kA	5
		Fuse rating	Α	30
Contact rating of auxil	liary contacts according to UL			A600 - Q600
Ambient conditions				
Temperature				
'	Operating temperature			
	operating temperature	min	°C	-50
		max	°C	+70
	Storage temperature	max		170
	Storage temperature	min	°C	60
		min		-60
		max	°C	+80
Max altitude			m	3000
Resistance & Protect	ion			
Pollution degree				3
Dimensions				
4.4 (0.17") (0.17") (0.17") (0.33") (0.33") (0.33") (0.33") Wiring diagrams	34.9 (1.37")	44 (1.73")	(2.28")	89.2 (3.51")
- Ha	1 L2 L3 1 3 5 21			





Stycznik 3 polowy, 9A w AC3, wbudowany zestyk 1NC, 48VAC 60Hz

Certifications and com	pliance	
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