



		4	271 412 013 14 110
Product designation			Power contactor
Product type designation			BG09
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)	Α	20
	AC-3 (≤440V ≤55°C)	Α	9
	AC-4 (400V)	Α	4
Rated operational power AC-3 (T≤55°C)	7.6 1 (1001)		•
Trailed operational power file of (1-55 of)	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)	0001	1000	
Nated operational power AO-1 (1=40 O)	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	030 V	IXVV	22
TEO max current le in DOT with E/N 3 mis with 1 poles in series	≤24V	Α	12
	48V	A	10
	75V	A	4
	110V	A	3
	220V	A	3 _
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series	220 V		_
TEC max current le in DCT with L/R \(\) mis with 2 poles in series	<241/	۸	15
	≤24V 48V	A	15
	75V	A	14
	110V	A A	9 8
IFC may current to in DC4 with L/D < 4 may with 2 males in series	220V	A	_
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series	20.07	Λ	4.0
	≤24V	A	16
	48V	A	16
	75V	A	10
	110V	A	10
	220V	Α	2

IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series



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	≤24V	Α	16
	48V	Α	16
	75V	Α	10
	110V	Α	10
	220V	A	2
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series	ZZ0 V		
in series	<241/	۸	7
	≤24V	A	7
	48V	Α	6
	75V	Α	2
	110V	Α	1
	220V	Α	_
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series			
	≤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	2201		
TEO THAN GUITERLE BY DOO-DOO WILL LITE 2 TOHIS WILL 3 POICS III SELIES	~2A\/	٨	10
	≤24V	A	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	Α	5
	220V	A	0.8
Short-time allowable current for 10s (IEC/EN60947-1)	2201		96
			30
Protection fuse	. 0 (150)		00
	gG (IEC)	Α	20
	aM (IEC)	Α	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)			
	lth	W	4
	AC3	W	0.81
Tightoning targue for terminals	AUS	v v	0.01
Tightening torque for terminals		k 1.	0.0
	min	Nm	0.8
	max	Nm	1
	min	Ibin	0.59
	max	Ibin	0.74
Tightening torque for coil terminal			
	min	Nm	0.8
	max	Nm	1
	min	lbft	0.8
	max	lbft	0.74
Max number of wires simultaneously connectable	11107	nr.	2
			_



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			_
Conductor section			
	Flexible w/o lug conductor section		
	min	mm²	0.75
	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		
	min	mm²	1.5
	max	mm²	2.5
Dower terminal protect		111111	IP20 when wired
	ction according to IEC/EN 60529		IP20 When whed
Mechanical features			
Operating position			
	normal		Vertical plan
	allowable		±30°
Fixing			Screw / DIN rail 35mm
Weight		g	179
Auxiliary contact chara	acteristics		
Type of contact			1 NO
Thermal current Ith		Α	10
	ecianation	^	
IEC/EN 60947-5-1 de			A600 - Q600
Operating current AC		_	
	230V	Α	3
	400V	Α	1.9
	500V	Α	1.4
Operating current DC	12		
	110V	Α	2.9
Operating current DC	13		
, ,	24V	Α	2.9
	48V	Α	1.4
	60V	A	1.2
	110V	A	0.6
	125V	A	0.55
	220V	Α	0.3
	600V	Α	0.1
Operations			
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
	mechanical load	cycles	20000000
Mirror contate accordi	ing to IEC/EN 609474-4-1	-, 5.55	yes
EMC compatibility	ing to IEO/EII 000TITTI		Yes
	2017	V	
Rated AC voltage at 6	DUПZ	V	24
AC coil operating			
AC operating voltage			
	of 60Hz coil powered at 60Hz		
	pick-up		
	min .	%Us	75
	max	%Us	115
	drop-out		
	•		



	Stycznik 3 polowy, 9A w AC3, wbudowany zestyk mo, 24vAC oon.
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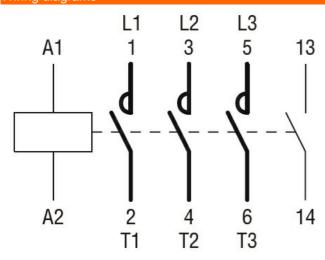
			min	%Us	20
			max	%Us	55
AC average coil consu	imption at 20°C				
710 average con consc		noward at EOUz			
	OI SU/OUTZ COII	powered at 50Hz	:	١/٨	20
			in-rush	VA	30
			holding	VA	4
	of 50/60Hz coil	powered at 60Hz			
			in-rush	VA	25
			holding	VA	3
	of 60Hz coil pov	wered at 60Hz			
			in-rush	VA	30
			holding	VA	4
Dissipation at halding	<00°C FOLI-		Holding		
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				
ŭ	in AC				
	,	Closing NO			
		Closing NO	min	me	12
				ms	
			max	ms	21
		Opening NO			
			min	ms	9
			max	ms	18
		Closing NC			
		3	min	ms	17
			max	ms	26
		Opening NC	Hax	1113	20
		Opening NC			_
			min	ms	7
			max	ms	17
	in DC				
		Closing NO			
			min	ms	18
			max	ms	25
		Opening NO			
		opolinig i to	min	me	2
				ms	
		Observe NO	max	ms	3
		Closing NC			
			min	ms	3
			max	ms	5
		Opening NC			
		-	min	ms	11
			max	ms	17
UL technical data					
Full-load current (FLA)	for three phase	AC motor			
i uli-load current (FLA)	, ioi unee-phase i		-1.40037	۸	7.0
			at 480V	Α	7.6
			at 600V	Α	6.1
Yielded mechanical pe					
	for single-phase	e AC motor			
	Ŭ ,		110/120V	HP	0.5
			230V	HP	1.5
	for three phase	AC motor	200 V	111	
	for three-phase	: AC IIIOIOI	000/0001	1.15	0
			200/208V	HP	2
			220/230V	HP	3



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	460/480V	HP	5
	575/600V	HP	5
General USE			
Contactor			
	AC current	Α	20
Short-circuit protection fuse, 600V			_
High fault			
	Short circuit current	kA	100
	Fuse rating	Α	30
	Fuse class		J
Standard fault			
	Short circuit current	kA	5
	Fuse rating	Α	30
Contact rating of auxiliary contacts according to UL			A600 - Q600
Ambient conditions			
Temperature			
Operating temperature			
	min	°C	-50
	max	°C	+70
Storage temperature			
	min	°C	-60
	max	°C	+80
Max altitude		m	3000
Resistance & Protection			
Pollution degree			3
Dimensions			
4.4 (0.17") (0.17") (0.17") (0.18") (0.33") (0.33") (0.33") (0.33") (0.33") (0.33") (0.33")	44 (1.73") (1.73") (1.37") (1.37") (1.37") (1.37") (1.37") (1.37") (1.37") (1.37") (1.37") (1.37")	(2.28")	89.2 (3.51")

Wiring diagrams



Certifications and compliance

Compliance





Stycznik 3 polowy, 9A w AC3, wbudowany zestyk 1NO, 24VAC 60Hz

	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