



Product designation		-	auxiliary contactor
Product type designation			BG09
Contact characteristics			2000
Number of poles		nr.	4
Rated insulation voltage Ui IEC/EN		V	690
Rated impulse withstand voltage Uimp		kV	6
Operational frequency			
operation and question	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith		Α	20
Operational current le			
•	AC-1 (≤40°C)	Α	160
	AC-3 (≤440V ≤55°C)	Α	9
	AC-4 (400V)	Α	4
Rated operational power AC-1 (T≤40°C)	•		
· · · · · · · · · · · · · · · · · · ·	230V	kW	8
	400V	kW	14
	500V	kW	16
	690V	kW	22
Short-time allowable current for 10s (IEC/EN60947-1)		Α	96
Protection fuse			
	gG (IEC)	Α	20
	aM (IEC)	Α	10
Making capacity (RMS value)		Α	92
Breaking capacity at voltage			
	440V	Α	72
	500V	Α	72
9	690V	Α	72
Resistance per pole (average value)		mΩ	10
Power dissipation per pole (average value)			
	Ith	W	4
	AC3	W	0.8
Tightening torque for terminals			
	min	Nm	0.8
	max	Nm	1
	min	lbin	0.6
	max	lbin	0.7
Tightening torque for coil terminal	_		
	min	Nm	0.8
	max	Nm	1
	min	Ibft	0.59
May a supplier of since a facultane a supplier a suppli	max	Ibft	0.74
Max number of wires simultaneously connectable		nr.	2

Conductor section

Flexible w/o lug conductor section



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	min	mm²	0.8
	max	mm²	2.5
Flexible c/w lug conductor section	IIIdx	111111	2.5
Flexible C/W lug conductor section	min	mm²	1.5
		mm²	2.5
Clavible with insulated and deliver applying a setion	max	111111	2.0
Flexible with insulated spade lug conductor section		2	4.5
	min	mm²	1.5
	max	mm²	2.5
Power terminal protection according to IEC/EN 60529			IP20
Mechanical features			
Operating position			
	normal		vertical plan
	allowable		±30°
Fixing			Screw / DIN rail 35mm
Weight		α	200
Auxiliary contact characteristics		g	200
•			1 NA
Type of contact Thermal current Ith		Λ	
		Α	10
IEC/EN 60947-5-1 designation			Q600
Operating current DC12			
	110V	Α	2.9
Operating current DC13			
	24V	Α	2.9
	48V	Α	1.4
	60V	Α	1.1
	125V	Α	0.3
	220V	Α	0.1
	600V	Α	0.6
Operations			
Mechanical life		cycles	20000000
Electrical life		cycles	500000
Safety related data		,	
Performance level B10d according to EN/ISO 13489-1			
To one manage to a read the second and a second a second and a second a second a second a second a second a second and a s	rated load	cycles	500000
me	echanical load	cycles	20000000
Mirror contats according to IEC/EN 609474-4-1	zoriariioar ioaa	Oy 0100	true
EMC compatibility			
AC coil operating			true
Rated AC voltage at 50/60Hz, 60Hz			
Rated AC voltage at 50/60Hz, 60Hz			40
	min	V	12
	max	V	575
AC operating voltage at 20°C			
of 50/60Hz coil powered at 50Hz			
	in-rush	VA	30
	holding	VA	4
of 50/60Hz coil powered 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	0.9
•			



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DC coil operating					
DC rated control voltage	e				
			min	V	6
			max	V	250
DC operating voltage					
	pick-up				
			min	%Us	75
			max	%Us	115
	drop-out			0/11	10
			min	%Us	10
Averes sell consumenti	an <00°C		max	%Us	25
Average coil consumption	0N ≤20 C		in much	W	2.0
			in-rush holding	W	3.2 3.2
Max cycles frequency			riolaling	VV	3.2
Mechanical operations				cycles/h	3600
Operating times				Jy OlG3/11	3000
Average time for Us con	ntrol				
	in AC				
	-	Closing NO			
		J	min	ms	12
			max	ms	21
		Opening NO			
			min	ms	9
			max	ms	18
		Closing NC			
			min	ms	17
			max	ms	26
		Opening NC			7
			min	ms	7
	in DC		max	ms	17
	III DC	Closing NO			
		Closing NO	min	ms	18
			max	ms	25
		Opening NO	max	0	
		9,10	min	ms	2
			max	ms	3
		Closing NC			
			min	ms	3
			max	ms	5
		Opening NC			
			min	ms	11
			max	ms	17
UL technical data	in the second second O				
Full-load current (FLA) f	or three-phase AC	MOTO	at 400)/	۸	7.6
			at 480V	A	7.6 6.1
Violded machanical rad	formanca		at 600V	Α	6.1
Yielded mechanical perf		motor			
	for single-phase A	וווטנטו	110/120V	hn	0.5
			230V	hp hp	0.5 1.5
	for three-phase AC	motor	230 V	пр	1.0
	ioi unice-pilase AC	motor	200/208V	hp	2
			200/200 V	ηρ	



	220/230V	hp	3
	460/480V	hp	5
	575/600V	hp	5
eneral USF			

General USE

Contactor

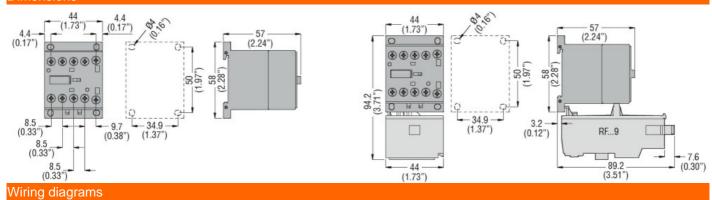
		AC current	Α	20
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-40
		max	°C	60
	Storage temperature			
		min	°C	-55
		max	°C	70
Max altitude			m	3000

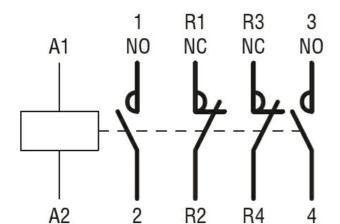
Resistance & Protection

Pollution degree

3

Dimensions





Certifications and 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



Stycznik 4 polowy, 2NO+2NC, 20A w AC1, 24VDC



cULus		
FAC		

ETIM 6 classification

EC000066 - Power contactor, AC switching