



Product designation			Auxiliary contactor
Product type designation			BG09
Contact characteristics			
Number of poles		Nr.	4
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-1 (≤55°C)	Α	18
	AC-1 (≤70°C)	Α	15
	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
150	690V	kW	22
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series	40.414		40
	≤24V	A	12
	48V	A	10
	75V 110V	A	4
	220V	A	3
IEC may current to in DC1 with L/D < 1 mg with 2 notes in series	Z2UV	A	
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series	≤24V	Α	15
	48V	A	14
	75V	A	9
	110V	A	8
	220V	A	-
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series		- , ,	
sandik to in 50 t mai 21x = thio mai o poloo in oonioo	≤24V	Α	16
	48V	Α	16
	75V	Α	10
	110V	Α	10
	220V	Α	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



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IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
, and the second se	≤24V	Α	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	A	8
	75V	A	5
	110V	A	4
	220V	A	
IEC may augrent to in DC2 DC5 with L/D < 15mg with 2 notes in series	220 V	Α	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series	-04 1/	۸	4.0
	≤24V	A	10
	48V	A	10
	75V	A	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	Α	0,8
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			
2. can mig capacity at remage	440V	Α	72
	500V	Α	72
	690V	Α	72
Resistance per pole (average value)	000 V	mΩ	10
Power dissipation per pole (average value)		11122	10
i onoi dissipation per pore (average value)	lth	W	4
		W	
Tightoning targue for terminals	AC-3	VV	0.8
Tightening torque for terminals		k 1	0.0
	min	Nm	0.8
	max	Nm	1
	min	Ibin	9
	max	Ibin	9
Tightening torque for coil terminal			
	min	Nm	0.8
	max	Nm	1
	min	Ibin	9
	max	Ibin	9
Max number of wires simultaneously connectable		Nr.	2
Conductor section			
AWG/Kcmil			
	max		12
Flexible w/o lug conductor section			
Ŭ	min	mm²	0.8



		2	0.5
	The little of th	mm²	2.5
	Flexible c/w lug conductor section	2	
	min	mm²	1.5
	The little will be a factor of the control of the c	mm²	2.5
	Flexible with insulated spade lug conductor section	· 2	4.5
	min	mm²	1.5
Dower terminal protect	ion according to IFC/FN 60530	mm²	2.5
Mechanical features	ion according to IEC/EN 60529		IP20
Operating position			
Operating position	normal		Vertical plan
	allowable		Vertical plan ±30°
-	allowable		Screw / DIN rail
Fixing			35mm
Weight		g	200
Conductor section		9	200
Conductor Coolien	AWG/kcmil conductor section		
	max		12
Auxiliary contact charact			· -
Thermal current Ith		А	10
IEC/EN 60947-5-1 des	signation		Q600
Operations	ngriation.		Q000
Mechanical life		cycles	20000000
Electrical life		cycles	500000
Safety related data		0,0100	000000
	Od according to EN/ISO 13489-1		
1 0110111101100 10701 2 10	rated load	cycles	500000
	mechanical load	cycles	20000000
Mirror contats according	ng to IEC/EN 609474-4-1	0,0.00	YES
EMC compatibility	.5 10 120/211 000 11 1 1 1		YES
DC coil operating			120
DC rated control voltage	ne	V	220
DC operating voltage	9	•	
Do operating vertage	pick-up		
	min	%Us	75
	max	%Us	115
	drop-out		
	drop-out min	%Us	10
	•	%Us %Us	10 25
Average coil consumpt	min max		
Average coil consumpt	min max tion ≤20°C	%Us	25
Average coil consumpt	min max		
Average coil consumpt Max cycles frequency	min max tion ≤20°C in-rush	%Us W	3.2
	min max tion ≤20°C in-rush	%Us W W	3.2 3.2
Max cycles frequency	min max tion ≤20°C in-rush	%Us W	3.2 3.2
Max cycles frequency Mechanical operation	min max tion ≤20°C in-rush holding	%Us W W	3.2 3.2
Max cycles frequency Mechanical operation Operating times	min max tion ≤20°C in-rush holding	%Us W W	3.2 3.2
Max cycles frequency Mechanical operation Operating times	min max tion ≤20°C in-rush holding ontrol	%Us W W	3.2 3.2
Max cycles frequency Mechanical operation Operating times	min max tion ≤20°C in-rush holding ontrol in AC	%Us W W	3.2 3.2
Max cycles frequency Mechanical operation Operating times	min max tion ≤20°C in-rush holding ontrol in AC Closing NO	%Us W W cycles/h	3.2 3.2 3600
Max cycles frequency Mechanical operation Operating times	min max tion ≤20°C in-rush holding ontrol in AC Closing NO min	%Us W W cycles/h	3.2 3.2 3600
Max cycles frequency Mechanical operation Operating times	min max tion ≤20°C in-rush holding ontrol in AC Closing NO min max	%Us W W cycles/h	3.2 3.2 3600
Max cycles frequency Mechanical operation Operating times	min max tion ≤20°C in-rush holding ontrol in AC Closing NO min max Opening NO	%Us W W cycles/h ms ms	3.2 3.2 3600



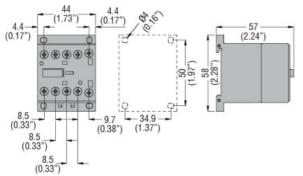
	Closing NC			
	3	min	ms	17
		max	ms	26
	Opening NC			
	Sparming	min	ms	7
		max	ms	17
	in DC			
	Closing NO			
	Closing NC	min	ms	18
		max	ms	25
	Opening NO	max	1113	20
	Opening NO	min	ms	2
				3
	Closing NC	max	ms	3
	Closing NC	min	mo	2
		min	ms	3
	On anima NO	max	ms	5
	Opening NC			44
		min	ms	11
		max	ms	17
UL technical data	feether all as AQ			
Full-load current (FLA)	for three-phase AC motor			
		at 480V	Α	7.6
		at 600V	Α	6.1
Yielded mechanical pe				
	for single-phase AC motor			
		110/120V	HP	0.5
		230V	HP	1.5
	for three-phase AC motor			
		200/208V	HP	2
		220/230V	HP	3
		460/480V	HP	5
		575/600V	HP	5
General USE				
	Contactor			
		AC current	Α	20
Short-circuit protection	fuse 600V	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Chort on oak protootion	High fault			
	i ngi i laait	Short circuit current	kA	100
		Fuse rating	A	30
		Fuse class	^	J
	Standard fault	Fuse Class		J
	Statiualu iauli	Chart airea sit accome at	IzΛ	E
		Short circuit current	kA ^	5
		Fuse rating	Α	30
A malai a mata a a malitia ma		Fuse class		RK5
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	on			

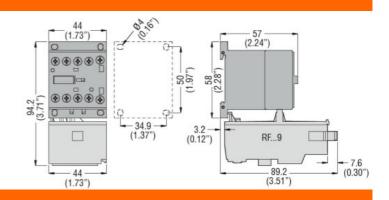


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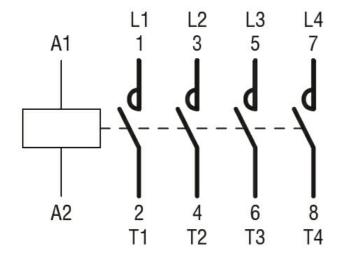
Pollution degree 3

Dimensions





Wiring diagrams



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

cULus

EAC

ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching