

Product designation Product type designation			Power contactor 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-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-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	Α	9
	110V	Α	8
	220V	Α	
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



	2201/	۸	2
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series	220V	Α	2
TEC max current le in DCT with E/K = mis with 4 poles in series	≤24V	Α	16
	≤24 V 48 V	A	16
	75V	A	10
	110V	A	10
	220V	A	2
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series	220 V		
TEO max current le in 200-2003 with E/N 3 10m3 with 1 poles in series	≤24V	Α	7
	48V	A	6
	75V	A	2
	110V	A	1
	220V		
IFC may autrent to in DC2 DC5 with L/D < 15mg with 2 notes in series	220 V	A	_
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series	2041 /	۸	0
	≤24V	A	8
	48V	A	8
	75V	A	5
	110V	A	4
150	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	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			
	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
Tightening torque for terminals			
5 5 10 10 10 10 10 10 10 10 10 10 10 10 10	min	Nm	0.8
	max	Nm	1
	min	lbin	9
	111111		
	may	lhin	9
Tightening torque for coil terminal	max	Ibin	9
Tightening torque for coil terminal			
Tightening torque for coil terminal	min	Nm	0.8
Tightening torque for coil terminal			



		max	Ibin	9
	s simultaneously connectable		Nr.	2
Conductor section				
	AWG/Kcmil			
		max		12
	Flexible w/o lug conductor section			
		min	mm²	0.75
		max	mm²	2.5
	Flexible c/w lug conductor section		2	
		min	mm²	1.5
		max	mm²	2.5
	Flexible with insulated spade lug conductor section		2	
		min	mm²	1.5
		max	mm²	2.5
Power terminal prote	ection according to IEC/EN 60529			IP20 when
Mechanical features				properly wired
Operating position				
Sperating position		normal		Vertical plan
		allowable		±30°
		anowable		Screw / DIN rail
ixing				35mm
Weight			g	220
Conductor section			3	
	AWG/kcmil conductor section			
	7.17.6/1011111 0011000001	max		12
Auxiliary contact cha	racteristics			
Thermal current Ith			Α	10
EC/EN 60947-5-1 d	lesignation			A600 - Q600
Operating current AC				
Operating current AC		230V	А	3
Operating current AC		230V 400V	A A	3 1.9
Operating current AC				
	C15	400V	Α	1.9
	C15	400V	Α	1.9
Operating current D0	C12	400V 500V	A A	1.9 1.4
Operating current D0	C12	400V 500V	A A	1.9 1.4
Operating current D0	C12	400V 500V 110V	A A	1.9 1.4 2.9
Operating current D0	C12	400V 500V 110V 24V	A A A	1.9 1.4 2.9 2.9
Operating current D0	C12	400V 500V 110V 24V 48V	A A A A	1.9 1.4 2.9 2.9 1.4
Operating current D0	C12	400V 500V 110V 24V 48V 60V	A A A A A	1.9 1.4 2.9 2.9 1.4 1.2
Operating current D0	C12	400V 500V 110V 24V 48V 60V 110V	A A A A A	1.9 1.4 2.9 2.9 1.4 1.2 0.6
Operating current D0	C12	400V 500V 110V 24V 48V 60V 110V 125V	A A A A A A	1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55
Operating current DO Operating current DO Operating current DO	C12	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A	1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3
Operating current DO Operating current DO Operating current DO	C12	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A	1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3
Operating current DO Operating current DO Operations Mechanical life Electrical life	C12	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A	1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1
Operating current AC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data	C12 C13	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A Cycles	1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1
Operating current DO Operating current DO Operations Mechanical life Electrical life Safety related data	C12	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A Cycles	1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1
Operating current DO Operating current DO Operations Mechanical life Electrical life Safety related data	C12 C13	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A Cycles	1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1
Operating current DO Operating current DO Operations Mechanical life Electrical life Safety related data	C12 C13 C13 S10d according to EN/ISO 13489-1	400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A A Cycles cycles	1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000
Operating current DO Operating current DO Operations Mechanical life Electrical life Safety related data Performance level B	C12 C13 C13 S10d according to EN/ISO 13489-1	400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A Cycles cycles	1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000
Operating current DO Operating current DO Operations Mechanical life Electrical life Safety related data Performance level B	C12 C13 C13 C10d according to EN/ISO 13489-1	400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A Cycles cycles	1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000

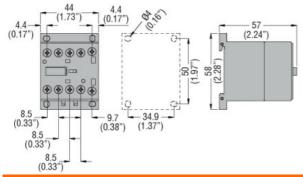


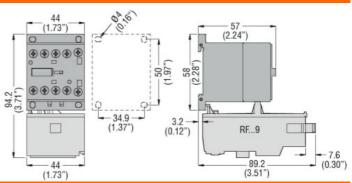
DC rated control voltage	ie.			V	12
DC operating voltage	,~ 			v	
, 3	pick-up				
	•		min	%Us	75
			max	%Us	115
	drop-out				_
			min	%Us	10
Avere as == 11	Ham <200°C		max	%Us	25
Average coil consumpt	uon ≤20°C		in-rush	W	3.2
			holding	W	3.2
Max cycles frequency			Holding	VV	3.2
Mechanical operation				cycles/h	3600
Operating times					
Average time for Us co	ontrol				
	in AC				
		Closing NO			
			min	ms	12
		0 1 110	max	ms	21
		Opening NO	ـــا•ـــــ	no o	0
			min max	ms ms	9 18
		Closing NC	IIIdx	1113	10
		Clocking 110	min	ms	17
			max	ms	26
		Opening NC			
			min	ms	7
			max	ms	17
	in DC	01 1 110			
		Closing NO		 .	10
			min max	ms ms	18 25
		Opening NO	IIIax	1113	20
		oponing 110	min	ms	2
			max	ms	3
		Closing NC			
			min	ms	3
			max	ms	5
		Opening NC			44
			min	ms ms	11
UL technical data			max	ms	17
Full-load current (FLA)	for three-phase A	AC motor			
. s ioaa oanont (i LA)	.500 prid00 F	.5	at 480V	Α	7.6
			at 600V	A	6.1
Yielded mechanical pe	rformance				_
·	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 575/600V	HP HP	5 5
			573/6007	ПГ	



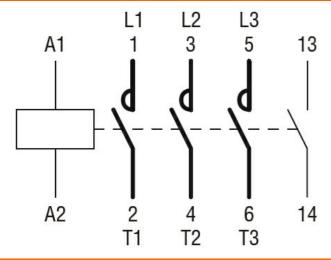
ENERGY AND AUTOMATION

General USE				
	Contactor			
		AC current	Α	20
Short-circuit protectio	n 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 auxil	iary 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 & Protecti	ion			
Pollution degree				3
Dimensions				
4.4 (0.17") (0.17") (0.17")	(2.24")	(1.73") (1.73") (1.73") (1.73") (1.73") (1.73") (1.73") (1.73")	(2)	57





Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-4-1



11BG0910D012

electric THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 9A, DC COIL, 12VDC, 1NO
AUXILIARY CONTACT

ENERGY AND AUTOMATION

IEC/EN 60947-1
IEC/EN 60947-4-1
UL 60947-1
UL 60947-4-1

CCC
CULus
EAC

ETIM classification

ETIM 8.0

Certificates

EC000066 -Power contactor, AC switching



Product designation Product type designation			Power contactor BG09
Contact characteristics			2000
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-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-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	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
150 H. F. BOA W. L. W. C.	220V	Α	_
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series		_	4.0
	≤24V	Α	16
	48V	Α	16
	75V	A	10
	110V	Α	10



	220V	Α	2
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series	220 V		
ILC max current le in DCT with L/N = mis with 4 poles in series	≤24V	۸	16
	≤24 V 48 V	A A	16
	75V	A	10
	110V		10
		A	
IFO many assessment to be DOO DOO with 1/D < 45 may with 4 males in a suite	220V	Α	2
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series	40 AV /		7
	≤24V	A	7
	48V	A	6
	75V	A	2
	110V	A	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			
	≤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	A	6
	110V	Α	5
	220V	Α	0,8
Short-time allowable current for 10s (IEC/EN60947-1)	2201	A	96
Protection fuse			
1 Tote Culon Tuse	gG (IEC)	۸	20
		A	10
Making consists (DMC value)	aM (IEC)	A	
Making capacity (RMS value)		Α	92
Breaking capacity at voltage			70
	440V	A	72
	500V	A	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	9
	max	lbin	9
Tightening torque for coil terminal			
	min	Nm	0.8
	max	Nm	1
	min	lbin	9

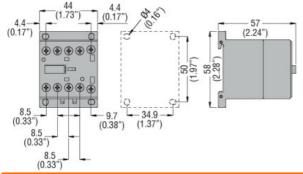


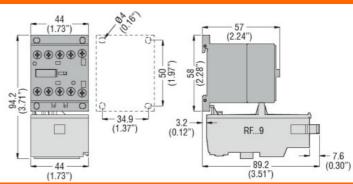
		max	lbin	9
Max number of wires	simultaneously connectable		Nr.	2
Conductor section	·			
	AWG/Kcmil			
		max		12
	Flexible w/o lug conductor section			
	•	min	mm²	0.75
		max	mm²	2.5
	Flexible c/w lug conductor section			
	-	min	mm²	1.5
		max	mm²	2.5
	Flexible with insulated spade lug conductor section			
	·	min	mm²	1.5
		max	mm²	2.5
D (IP20 when
Power terminal prote	ection according to IEC/EN 60529			properly wired
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rail
				35mm
Weight			g	220
Conductor section				
	AWG/kcmil conductor section			
		max		12
Auxiliary contact chai	racteristics			
Thermal current Ith			Α	10
IEC/EN 60947-5-1 de	esignation			A600 - Q600
Operating current AC	215			
		230V	Α	3
			_	
		400V	Α	1.9
		400V 500V	A A	1.9 1.4
Operating current DC				
Operating current DC	212	500V	Α	1.4
		500V	Α	2.9
		500V 110V 24V	A A	1.4 2.9 2.9
· -		500V 110V	A A	2.9
		500V 110V 24V 48V	A A A	1.4 2.9 2.9 1.4 1.2
		500V 110V 24V 48V 60V 110V	A A A A A	1.4 2.9 2.9 1.4 1.2 0.6
		500V 110V 24V 48V 60V	A A A A	1.4 2.9 2.9 1.4 1.2
		500V 110V 24V 48V 60V 110V 125V	A A A A A A	1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3
Operating current DC		500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A	1.4 2.9 2.9 1.4 1.2 0.6 0.55
Operating current DC		500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A	1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1
Operating current DC Operations Mechanical life		500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A Cycles	1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1
Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data		500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A	1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1
Operating current DC Operations Mechanical life Electrical life Safety related data	213	500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A Cycles	1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1
Operating current DC Operations Mechanical life Electrical life Safety related data		500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A Cycles cycles	1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000
Operating current DC Operations Mechanical life Electrical life Safety related data	10d according to EN/ISO 13489-1	500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A Cycles cycles	1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000
Operations Mechanical life Electrical life Safety related data Performance level B	10d according to EN/ISO 13489-1	500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A Cycles cycles	1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000 20000000
Operations Mechanical life Electrical life Safety related data Performance level B	10d according to EN/ISO 13489-1	500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A Cycles cycles	1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000

DC rated control voltage	ae			V	24
DC operating voltage	,-			<u> </u>	
, ,	pick-up				
			min	%Us	75
			max	%Us	115
	drop-out				
			min	%Us	10
			max	%Us	25
Average coil consump	tion ≤20°C				
			in-rush	W	3.2
Manager Lands			holding	W	3.2
Max cycles frequency				ovoloo/b	2600
Mechanical operation				cycles/h	3600
Operating times Average time for Us co	entrol				
Average time for 05 cc	in AC				
	III AC	Closing NO			
		Cidding 140	min	ms	12
			max	ms	21
		Opening NO			
		, 5	min	ms	9
			max	ms	18
		Closing NC			
			min	ms	17
			max	ms	26
		Opening NC			
			min	ms	7
			max	ms	17
	in DC	Ola aira a NO			
		Closing NO	min	mo	18
			max	ms ms	25
		Opening NO	Παλ	1113	25
		Opening NO	min	ms	2
			max	ms	3
		Closing NC		-	
		Ŭ	min	ms	3
			max	ms	5
		Opening NC			
			min	ms	11
			max	ms	17
UL technical data					
Full-load current (FLA)	tor three-phase AC r	notor		_	
			at 480V	A	7.6
Violded messberging	rform on a c		at 600V	Α	6.1
Yielded mechanical pe		motor			
	for single-phase AC	MOTOF	110/120V	HP	0.5
			230V	HP	1.5
	for three-phase AC	motor	2307	ПГ	1.0
	ioi iiiiee-piiase AC	motor	200/208V	HP	2
			220/230V	HP	3
			460/480V	HP	5
			575/600V	HP	5

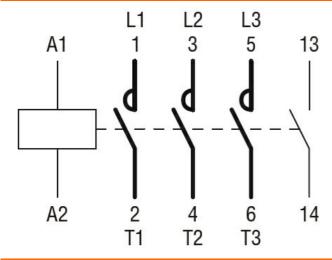
ENERGY AND AUTOMATION

General USE				
	Contactor			
		AC current	Α	20
Short-circuit protection	on 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 aux	riliary 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 & Protect	etion			
Pollution degree				3
Dimensions				
4.4 (0.17") (0.17 (0.17") (0.17") (0.17")	(2.24")	(1.73") (1.73") (1.73") (1.73") (1.73") (1.73") (1.73") (1.73")	(2	57





Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-4-1



11BG0910D024

electric THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 9A, DC COIL, 24VDC, 1NO
AUXILIARY CONTACT

ENERGY AND AUTOMATION

	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





			_
Product designation			Power contactor
Product type designation			BG09
Contact characteristics		Nia	2
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		A	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-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	A	9
	110V	Α	8
	220V	A	_
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	Α	2
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
·	≤24V	Α	16
	48V	Α	16
	75V	A	10
	110V	Α	10
	220V	A	2
IEC may current to in DC2 DC5 with L/D < 15mg with 1 polog in coriog	220 V		
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series	-041/	^	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	220 V	- / \	
TEO MAX CUITETI TE III DOS-DOS WILLI ETC = 13/113 WILLI S POLES III SELIES	≤24V	Α	10
	48V	A	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	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)	aivi (ILO)	A	92
		A	92
Breaking capacity at voltage	4.4017	Δ.	70
	440V	A	72
	500V	A	72
	690V	A	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	9
	max	Ibin	9
Tightening torque for coil terminal	Шах	ווטו	<u> </u>
rightening torque for contentinal	t.·	NI	0.0
	min	Nm	0.8
	max	Nm	1
	min	Ibin	9





		max	Ibin	9
Max number of wires s	imultaneously connectable		Nr.	2
Conductor section	,			
	AWG/Kcmil			
		max		12
	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	1		
		min	mm²	1.5
		max	mm²	2.5
Power terminal protect	ion according to IEC/EN 60529			IP20 when
<u> </u>	detailing to IEO/EIV 00020			properly wired
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rail 35mm
Weight			g	212
Conductor section			9	212
Conductor Section	AWG/kcmil conductor section			
	AVVG/RCITIII CONDUCTOR SECTION	max		12
Auxiliary contact chara	cteristics	max		12
Thermal current Ith	otonoaoo		Α	10
IEC/EN 60947-5-1 des	signation			A600 - Q600
Operating current AC1				
5 7 7 7 7		230V	Α	3
		400V	Α	1.9
		500V	Α	1.4
Operating current DC1	2			_
		110V	Α	2.9
Operating current DC1	3			
		24V	Α	2.9
		48V	Α	1.4
		60V	Α	1.2
		110V	Α	0.6
		125V	Α	0.55
		220V	Α	0.3
		600V	Α	0.1
Operations				
Mechanical life			cycles	20000000
Electrical life			cycles	500000
Safety related data				
Performance level B10	0d according to EN/ISO 13489-1			
		rated load	cycles	500000
	r	mechanical load	cycles	20000000
Mirror contats according	ng to IEC/EN 609474-4-1			yes
EMC compatibility				yes
DC coil operating				



DC rated control volta	ige			V	24
OC operating voltage	m:=l				
	pick-up		min	%Us	75
			max	%Us	115
	drop-out		max	,,,,,	•
	·		min	%Us	10
			max	%Us	25
Average coil consump	otion ≤20°C				
			in-rush	W	3.2
			holding	W	3.2
Max cycles frequency	,			//	0000
Mechanical operation				cycles/h	3600
Operating times Average time for Us c	pontrol				
Average time for US C	in AC				
	шдо	Closing NO			
		0.009 110	min	ms	12
			max	ms	21
		Opening NO			
			min	ms	9
			max	ms	18
		Closing NC			
			min	ms	17
		Opening NC	max	ms	26
		Opening NC	min	ms	7
			max	ms	, 17
	in DC		····ox	5	-
		Closing NO			
		-	min	ms	18
			max	ms	25
		Opening NO			
			min	ms	2
		Closing NC	max	ms	3
		Closing NC	min	ms	3
			max	ms	5
		Opening NC	max	.113	•
		, - J	min	ms	11
			max	ms	17
UL technical data					
Full-load current (FLA) for three-phase	AC motor			
			at 480V	Α	7.6
NO. 11. 1			at 600V	Α	6.1
Yielded mechanical p		- AO			
	for single-phas	e AC motor	440/4001	ЫD	0.5
			110/120V 230V	HP HP	0.5 1.5
	for three-phase	AC motor	2301	ПГ	1.0
	ioi tillee-pilase	, AO MOIO	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			
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
ETIM classification			
			EC000066 -
ETIM 8.0			Power contactor,
			AC switching



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-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-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	Α	9
	110V	Α	8
	220V	Α	_
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series			
'	≤24V	Α	16
	48V	Α	16
	75V	Α	10



11BG0910D048

THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 9A, DC COIL, 48VDC, 1NO AUXILIARY CONTACT

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 IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series ≤24V Α 7 48V 6 Α 75V 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 8 Α 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 10 75V Α 6 110V Α 5 220V 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 5 Α 220V 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 440V Α 72 500V Α 72 690V Α 72 Resistance per pole (average value) $m\Omega$ 10 Power dissipation per pole (average value) W 4 lth AC3 W 0.81 Tightening torque for terminals min Nm 0.8 max Nm 1 min Ibin 9 Ibin 9 max Tightening torque for coil terminal min Nm 0.8 Nm 1 max min Ibin 9



		max	lbin	9
	simultaneously connectable		Nr.	2
Conductor section				
	AWG/Kcmil			
		max		12
	Flexible w/o lug conductor section		2	0.75
		min	mm²	0.75
	Florible a/w lug conductor continu	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	IIIax	111111	2.0
	r lexible with insulated space lug conductor section	min	mm²	1.5
		max	mm²	2.5
_		max		IP20 when
Power terminal proted	ction according to IEC/EN 60529			properly wired
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rail
				35mm
Weight			g	225
Conductor section				
	AWG/kcmil conductor section			
		max		12
Auxiliary contact char	acteristics			
			_	
Thermal current Ith			Α	10
Thermal current Ith IEC/EN 60947-5-1 de	esignation		Α	10 A600 - Q600
Thermal current Ith IEC/EN 60947-5-1 de	esignation	0001		A600 - Q600
Thermal current Ith IEC/EN 60947-5-1 de	esignation	230V	A	A600 - Q600 3
Thermal current Ith IEC/EN 60947-5-1 de	esignation	400V	A A	A600 - Q600 3 1.9
Thermal current lth IEC/EN 60947-5-1 de Operating current AC	esignation 15		A	A600 - Q600 3
Thermal current lth IEC/EN 60947-5-1 de Operating current AC	esignation 15	400V 500V	A A A	A600 - Q600 3 1.9 1.4
Thermal current lth IEC/EN 60947-5-1 de Operating current AC Operating current DC	esignation 15	400V	A A	A600 - Q600 3 1.9
Thermal current lth IEC/EN 60947-5-1 de Operating current AC Operating current DC	esignation 15	400V 500V	A A A	A600 - Q600 3 1.9 1.4 2.9
Thermal current lth IEC/EN 60947-5-1 de Operating current AC Operating current DC	esignation 15	400V 500V 110V 24V	A A A	A600 - Q600 3 1.9 1.4 2.9
Thermal current lth IEC/EN 60947-5-1 de Operating current AC Operating current DC	esignation 15	400V 500V 110V 24V 48V	A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4
Thermal current lth IEC/EN 60947-5-1 de Operating current AC	esignation 15	400V 500V 110V 24V 48V 60V	A A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2
Thermal current lth IEC/EN 60947-5-1 de Operating current AC Operating current DC	esignation 15	400V 500V 110V 24V 48V 60V 110V	A A A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6
Thermal current lth IEC/EN 60947-5-1 de Operating current AC Operating current DC	esignation 15	400V 500V 110V 24V 48V 60V	A A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55
Thermal current lth IEC/EN 60947-5-1 de Operating current AC Operating current DC	esignation 15	400V 500V 110V 24V 48V 60V 110V 125V	A A A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6
Thermal current lth IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC	esignation 15	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3
Thermal current lth IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operating current DC	esignation 15	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3
Thermal current lth IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operating current DC Operating current DC	esignation 15	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1
Thermal current lth IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operating current DC Operating current DC Operating current DC Electrical life	esignation 15	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A Cycles	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1
Thermal current lth IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operating current DC Operating current DC Electrical life Safety related data	esignation 15	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A Cycles	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1
Thermal current lth IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operating current DC Operating current DC Electrical life Safety related data	esignation 15 12 13	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A Cycles	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1
Thermal current lth IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operating current DC Operating current DC Electrical life Safety related data	esignation 15 12 13 10d according to EN/ISO 13489-1	400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A A Cycles cycles	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000
Thermal current lth IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data Performance level B1	esignation 15 12 13 10d according to EN/ISO 13489-1	400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A A Cycles cycles	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operating current DC Operating current DC Electrical life Electrical life Safety related data Performance level B1	esignation 15 12 13 10d according to EN/ISO 13489-1	400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A A Cycles cycles	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000 500000

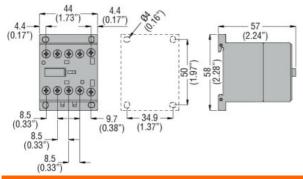


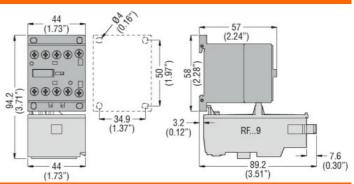
DC rated control voltage	ge			V	48
DC operating voltage					
	pick-up		min	0/116	75
			min max	%Us %Us	75 115
	drop-out		IIIdx	/003	113
	a. op 0 a.		min	%Us	10
			max	%Us	25
Average coil consump	tion ≤20°C				
			in-rush	W	3.2
			holding	W	3.2
Max cycles frequency					2000
Mechanical operation Operating times				cycles/h	3600
Average time for Us co	ontrol				
Average lime for 03 cc	in AC				
		Closing NO			
		U	min	ms	12
			max	ms	21
		Opening NO			
			min	ms	9
		Ola sia a NO	max	ms	18
		Closing NC	min	ms	17
			max	ms	26
		Opening NC	max	1110	20
		- Farm. 9	min	ms	7
			max	ms	17
	in DC				
		Closing NO			
			min	ms	18
		Opening NO	max	ms	25
		Opening NO	min	ms	2
			max	ms	3
		Closing NC			
		-	min	ms	3
		_	max	ms	5
		Opening NC	_		44
			min	ms	11
UL technical data			max	ms	17
Full-load current (FLA)	for three-phase	AC motor			
. s loss ourion (i LA)	u pridoc /	.5	at 480V	Α	7.6
			at 600V	A	6.1
Yielded mechanical pe	erformance				
	for single-phase	e AC motor			
			110/120V	HP	0.5
			230V	HP	1.5
	for three-phase	AC motor	000/0001	LID.	
			200/208V	HP	2
			220/230V 460/480V	HP HP	3 5
			575/600V	HP	5 5
				1 11	



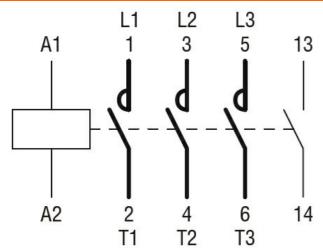
ENERGY AND AUTOMATION

General USE				
	Contactor			
		AC current	Α	20
Short-circuit protect	ion 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 au	xiliary 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 & Prote	ction			
Pollution degree				3
Dimensions				
4.4 (0.17") (0.1 (0.17") (0.1	47") \$ 57 (2.24")	(1.73") (1.73") (1.65) (1.66) (1.	(2	57





Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-4-1



11BG0910D048

electric THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 9A, DC COIL, 48VDC, 1NO
AUXILIARY CONTACT

ENERGY AND AUTOMATION

IEC/EN 60947-1 IEC/EN 60947-4-1 UL 60947-1 UL 60947-4-1

ETIM classification

EAC

ETIM 8.0

Certificates

EC000066 -Power contactor, AC switching



Product designation			Power contactor
Product type designation Contact characteristics			BG09
		Nle	2
Number of poles Rated insulation voltage Ui IEC/EN		Nr. V	<u>3</u> 690
		kV	6
Rated impulse withstand voltage Uimp		KV	0
Operational frequency	min	LJ	25
	min	Hz Hz	400
IEC Conventional free air thermal current Ith	max	<u>п</u> ∠ А	20
Operational current le		^	20
Operational current le	AC-1 (≤40°C)	۸	20
	AC-1 (≤40 C) AC-1 (≤55°C)	A A	18
	AC-1 (≤33°C) AC-1 (≤70°C)	A	15
	AC-1 (≤70 C) AC-3 (≤440V ≤55°C)	A	9
	AC-3 (3440V 355 C) AC-4 (400V)	A	4
Rated operational power AC-3 (T≤55°C)	AO-4 (400V)		
Nated operational power AC-3 (1200 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)			
Trailed operational perior (12 to 0)	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	Α	9
	110V	Α	8
	220V	Α	_
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	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	A	10
	220V	A	2
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series	220 V		
incomax current le in DC3-DC3 with L/IV 3 13ms with 1 poles in series	~24) /	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	A	-
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series	220 V		_ -
TEO may content to in 200-2003 with E/K > 13ms with 3 poles in series	-01V	۸	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/ENG0047.1)	220 V	A	96
Short-time allowable current for 10s (IEC/EN60947-1)		A	90
Protection fuse	. 0 (150)		00
	gG (IEC)	Α	20
	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)			-
. S. S. S. S. Para para (arriago raido)	Ith	W	4
		W	
Tightoning targue for terminals	AC3	٧٧	0.81
Tightening torque for terminals			0.0
	min	Nm	0.8
	max	Nm	1
	min	lbin	9
	max	lbin	9
Tightening torque for coil terminal			
	min	Nm	0.8
	max	Nm	1
	min	lbin	9
	111111	15111	•



		max	Ibin	9
	s simultaneously connectable		Nr.	2
Conductor section				
	AWG/Kcmil			
		max		12
	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
Power terminal prote	ection according to IEC/EN 60529			IP20 when
				properly wired
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
ixing				Screw / DIN rail
				35mm
Veight			g	210
Conductor section				
	AWG/kcmil conductor section			
		max		12
Auxiliary contact cha	iracteristics		•	1.0
Thermal current Ith			Α	10
			, ,	A600 - Q600
				A600 - Q600
		230V	A	A600 - Q600 3
		400V	A A	A600 - Q600 3 1.9
Operating current A	C15		A	A600 - Q600 3
Operating current A	C15	400V 500V	A A A	A600 - Q600 3 1.9 1.4
Operating current A	C12	400V	A A	A600 - Q600 3 1.9
Operating current A	C12	400V 500V 110V	A A A	A600 - Q600 3 1.9 1.4 2.9
Operating current A	C12	400V 500V 110V 24V	A A A	A600 - Q600 3 1.9 1.4 2.9
Operating current A	C12	400V 500V 110V 24V 48V	A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4
Operating current A	C12	400V 500V 110V 24V 48V 60V	A A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2
Operating current A	C12	400V 500V 110V 24V 48V 60V 110V	A A A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6
Operating current A	C12	400V 500V 110V 24V 48V 60V 110V 125V	A A A A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55
Operating current A	C12	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3
Operating current ACCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	C12	400V 500V 110V 24V 48V 60V 110V 125V	A A A A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55
Operating current AC Operating current DC Operating current DC	C12	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1
Operating current ACC Operating current DCC Operating current DCC Operations Mechanical life	C12	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A Cycles	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1
Operating current AC Operating current DC Operating current DC Operations Mechanical life Electrical life	C12	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1
Departing current Do Departing	C12	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A Cycles	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1
Operating current AC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data	C12	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A Cycles	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1
Operating current AC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data	C12 C13	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A Cycles	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1
Operating current AC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data	C12 C13 B10d according to EN/ISO 13489-1	400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A A Cycles cycles	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000 5000000
Operating current AC Operating current DC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data Performance level E	C12 C13 B10d according to EN/ISO 13489-1	400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A Cycles cycles	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000
Operating current AC Operating current DC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data Performance level E	C12 C13 B10d according to EN/ISO 13489-1	400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A Cycles cycles	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000 500000

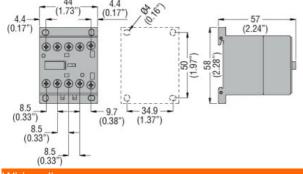


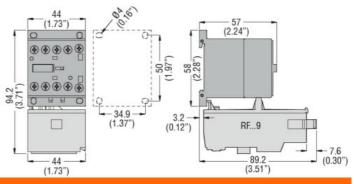
DC rated control volta	ge			V	60
DC operating voltage					
	pick-up			0/11	
			min	%Us	75
	drop-out		max	%Us	115
	drop-out		min	%Us	10
			max	%Us	25
Average coil consump	otion ≤20°C			,,,,,	
			in-rush	W	3.2
			holding	W	3.2
Max cycles frequency					
Mechanical operation				cycles/h	3600
Operating times					
Average time for Us c					
	in AC	Closing NO			
		Ciosing NO	min	ms	12
			max	ms	21
		Opening NO			
			min	ms	9
			max	ms	18
		Closing NC			
			min	ms	17
		Opening NC	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
		Closing NC	max	ms	3
		Closing NC	min	ms	3
			max	ms	5
		Opening NC			
		-	min	ms	11
			max	ms	17
UL technical data) 6 - 11 - 1	10			
Full-load current (FLA) for three-phase	AC motor		Δ.	7.0
			at 480V	A	7.6 6.1
Yielded mechanical po	erformance		at 600V	A	6.1
noided medianical pi	for single-phase	e AC motor			
	ioi oiligio pilao	5 5 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 575/600V	HP HP	5 5



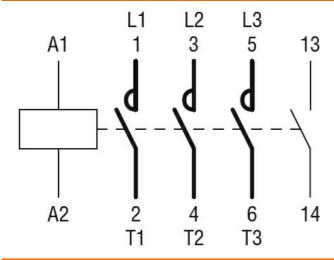
ENERGY AND AUTOMATION

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 auxilia	ary 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	n			
Pollution degree				3
Dimensions				
(0.17") (0.17") (0.17")	57 (2.24")	(1.73") (1.73") (1.73")	(2.	57 24")





Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-4-1



11BG0910D060

electric THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 9A, DC COIL, 60VDC, 1NO
AUXILIARY CONTACT

ENERGY AND AUTOMATION

IEC/EN 60947-1
IEC/EN 60947-4-1
UL 60947-1
UL 60947-4-1

CCC
CULus
EAC

ETIM classification

ETIM 8.0

Certificates

EC000066 -Power contactor, AC switching







Product designation Product type designation			Power contactor 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-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-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	Α	9
	110V	Α	8
	220V	Α	
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	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	A	10
	220V	A	2
IFO	220 V	A	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series		_	_
	≤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	Α	8
	75V	A	5
	110V	A	4
150	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	A	10
	75V		
		A	6
	110V	A	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			
	440V	Α	72
	500V	A	72 72
	690V	A	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	9
	max	lbin	9
Tightoning torque for coil terminal	Шах	ווטו	<u> </u>
Tightening torque for coil terminal		N I .	0.0
	min	Nm	0.8
	max	Nm	1
	min	lbin	9





		max	Ibin	9
	simultaneously connectable		Nr.	2
Conductor section	ANAIC /IX !!			
	AWG/Kcmil	200 04		10
	Florible w/o lug conductor acction	max		12
	Flexible w/o lug conductor section	min	mana ²	0.75
		min	mm² mm²	0.75 2.5
	Florible a/w lug conductor coation	max	111111	2.5
	Flexible c/w lug conductor section	min	mm²	1.5
		max	mm²	2.5
	Flexible with insulated spade lug conductor section		111111	2.0
	r lexible with insulated space lug conductor section	min	mm²	1.5
		max	mm²	2.5
		max		IP20 when
Power terminal prote	ction according to IEC/EN 60529			properly wired
Mechanical features				Trop and most
Operating position				
. 01		normal		Vertical plan
		allowable		±30°
Einden er				Screw / DIN rail
Fixing				35mm
Weight			g	215
Conductor section				
	AWG/kcmil conductor section			
		max		12
Auxiliary contact chai	racteristics			
·	racteristics		A	10
Thermal current Ith			Α	10 A600 - Q600
Thermal current Ith IEC/EN 60947-5-1 de	esignation		A	
Thermal current Ith IEC/EN 60947-5-1 de	esignation	230V	A	
Thermal current Ith IEC/EN 60947-5-1 de	esignation	230V 400V		A600 - Q600
Thermal current Ith IEC/EN 60947-5-1 de	esignation		A	A600 - Q600 3
Thermal current lth IEC/EN 60947-5-1 do Operating current AC	esignation 215	400V	A A	A600 - Q600 3 1.9
Thermal current lth IEC/EN 60947-5-1 do Operating current AC	esignation 215	400V	A A	A600 - Q600 3 1.9
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC	esignation C15	400V 500V	A A A	A600 - Q600 3 1.9 1.4
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC	esignation C15	400V 500V	A A A	A600 - Q600 3 1.9 1.4
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC	esignation C15	400V 500V 110V	A A A	A600 - Q600 3 1.9 1.4 2.9
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC	esignation C15	400V 500V 110V 24V	A A A	A600 - Q600 3 1.9 1.4 2.9
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC	esignation C15	400V 500V 110V 24V 48V	A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC	esignation C15	400V 500V 110V 24V 48V 60V	A A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC	esignation C15	400V 500V 110V 24V 48V 60V 110V	A A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6
Thermal current Ith IEC/EN 60947-5-1 do Operating current AC Operating current DC	esignation C15	400V 500V 110V 24V 48V 60V 110V 125V	A A A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55
Thermal current lth IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC	esignation C15	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3
Thermal current lth IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operating current DC	esignation C15	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC Electrical life	esignation C15	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC Electrical life	esignation C15	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A Cycles	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data	esignation C15	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A Cycles	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data	esignation C15 C12 C13	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A Cycles	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data	esignation C15 C12 C13 C10	400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A A Cycles cycles	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000
Thermal current Ith IEC/EN 60947-5-1 de Operating current DC Operating current DC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data Performance level B	esignation C15 C12 C13 C10	400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A A Cycles cycles	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000
	esignation C15 C12 C13 C10 according to EN/ISO 13489-1	400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A A Cycles cycles	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000 500000

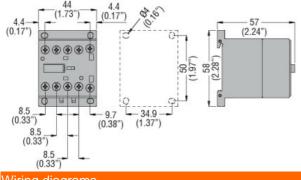


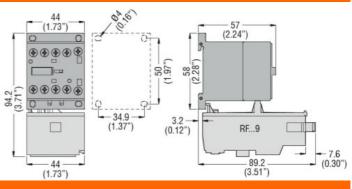


DC rated control voltage	ge			V	110
DC operating voltage					
	pick-up				
			min	%Us	75
	aluana assit		max	%Us	115
	drop-out		ma:-a	%Us	10
			min max	%Us %Us	25
Average coil consump	tion ≤20°C		IIIdx	/003	20
7 tvorago com comcamp			in-rush	W	3.2
			holding	W	3.2
Max cycles frequency			·		
Mechanical operation				cycles/h	3600
Operating times					
Average time for Us co					
	in AC	Obstack NO			
		Closing NO	min	ma	12
				ms ms	21
		Opening NO	max	1115	۷ ا
		Opening NO	min	ms	9
			max	ms	18
		Closing NC			
			min	ms	17
			max	ms	26
		Opening NC	_		
			min	ms	7
	in DC		max	ms	17
	III DC	Closing NO			
		Closing NO	min	ms	18
			max	ms	25
		Opening NO			
			min	ms	2
			max	ms	3
		Closing NC			
			min	ms	3
		On selection NO	max	ms	5
		Opening NC	*		11
			min max	ms ms	11 17
UL technical data			ınax	1113	17
Full-load current (FLA)	for three-phase	AC motor			
	nor unico prideo .		at 480V	Α	7.6
			at 600V	Α	6.1
Yielded mechanical pe	erformance				
	for single-phase	e 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 575/600V	HP HP	5 5
			313/000V	1 115	

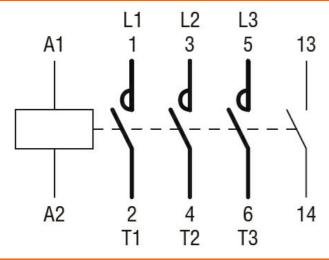


General USE				
	Contactor			
		AC current	Α	20
Short-circuit protection	n fuse, 600V			
	High fault			
		Short circuit current	kA	100
		Fuse rating	Α	30
		Fuse class		J
	Standard fault			
		Short circuit current	kA	5
		Fuse rating	Α	30
Contact rating of auxil	iary contacts according to UL			A600 - Q600
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	+70
	Storage temperature			
		min	°C	-60
		max	°C	+80
Max altitude			m	3000
Resistance & Protecti	ion			
Pollution degree				3
Dimensions				
(0.17") (4.4 (0.17") (0.17") (0.17")	(2.24")	(1.73") ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○	(2	57





Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-4-1



11BG0910D110

THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 9A, DC COIL, 110VDC, 1NO AUXILIARY CONTACT

	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





Number of poles	Product designation Product type designation			Power contactor BG09
Rated insulation voltage UirEC/EN V 690 Rated impulse withstand voltage Uimp kV 6 Operational frequency min Hz 25 imax Hz 400 IEC Conventional free air thermal current Ith A 20 Operational current Ie AC-1 (≤40°C) A 18 AC-1 (≤70°C) A 15 A 15 AC-3 (≤440V ≤55°C) A 9 A 4 Rated operational power AC-3 (T≤55°C) 230V kW 2.2 400V kW 4 4 4 415V kW 4.3 4	Contact characteristics			
Rated impulse withstand voltage Ulimp	Number of poles		Nr.	3
Operational frequency min max by	Rated insulation voltage Ui IEC/EN		V	690
EC Conventional free air thermal current lth	Rated impulse withstand voltage Uimp		kV	6
EC Conventional free air thermal current lth	Operational frequency			
EC Conventional free air thermal current lth		min	Hz	25
Operational current le AC-1 (≤40°C) A 20 AC-1 (≤55°C) A 18 AC-1 (≤70°C) A 15 AC-3 (≤440V ≤55°C) A 9 AC-4 (400V) A 4 Rated operational power AC-3 (T≤5°C) 230V kW 2.2 400V kW 4.3 440V kW 4.5 500V kW 5 500V kW 5 Rated operational power AC-1 (T≤40°C) 230V kW 8 400V kW 14 500V kW 14 500V kW 14 500V kW 14		max	Hz	400
AC-1 (≤40°C)	IEC Conventional free air thermal current Ith		Α	20
AC-1 (≤55°C) A 18 AC-1 (≤70°C) A 15 AC-3 (≤440V ≤55°C) A 9 AC-4 (400V) A 4 AC-3 (440V ≤55°C) A 9 AC-4 (400V) A 4 AC-4 (400V) A 4 AC-4 (400V) A 4 AC-4 (400V) A A AC-4 (400V) AC-4	Operational current le			
AC-1 (≤70°C) A 15 AC-3 (≤440V ≤55°C) A 9 AC-4 (400V) A 4 Rated operational power AC-3 (T≤55°C) 230V kW 2.2 400V kW 4 415V kW 4.3 4440V 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 A 12 48V A 10 75V A 4 110V A 3 220V A - IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series ≤24V A 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		AC-1 (≤40°C)	Α	20
AC-3 (≤440V ≤55°C) A 9 AC-4 (400V) A 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 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 A 12 48V A 10 75V A 4 1110V A 3 220V A - IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series ≤24V A 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		AC-1 (≤55°C)	Α	18
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 500V kW 5 500V kW 5 500V kW 14 500V kW 14 500V kW 16 690V kW 22 690V kW 22 690V kW 22 690V kW 22 690V kW 16 690V kW 16 690V kW 22 690V kW 16 690V kW 22 690V kW 16 690V kW 22 690V kW 16 69			Α	15
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) Rated operational power AC-1 (T≤40°C) 230V kW 8 400V kW 14 500V kW 14 500V kW 16 690V kW 22 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series ≤24V A 12 48V A 10 75V A 4 110V A 3 220V A - IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series ≤24V A 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 ≤24V A 15 48V A 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		AC-3 (≤440V ≤55°C)	Α	9
230V kW 2.2 400V kW 4 415V kW 4.3 446V kW 4.5 500V kW 5 500V kW 14 500V kW 14 500V kW 16 690V kW 22 500V k		AC-4 (400V)	Α	4
400V kW 4 415V kW 4.3 440V kW 4.5 500V kW 5 690V kW 5 690V kW 5 690V kW 5 690V kW 14 500V kW 14 500V kW 16 690V kW 22	Rated operational power AC-3 (T≤55°C)			
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		230V	kW	2.2
A40V kW 4.5 500V kW 5 690V kW 14 600V kW 14 600V kW 16 690V kW 22 690V 40 V 690V 690V		400V	kW	4
Soov kW 5		415V	kW	
Rated operational power AC-1 (T≤40°C) 230V kW 8 400V kW 14 500V kW 16 690V kW 22			kW	
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 A 12 48V A 10 75V A 4 110V A 3 220V A - IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series ≤24V A 15 48V A 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 ≤24V A 15 48V A 16 48V A 16 48V A 16 48V A 16 75V A 16				
		690V	kW	5
	Rated operational power AC-1 (T≤40°C)			
EC max current le in DC1 with L/R ≤ 1ms with 1 poles in series S24V A 12 48V A 10 75V A 4 110V A 3 220V A - IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series S24V A 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 S24V A 16 48V A 16 48V A 16 48V A 16 75V A 10 10 10 10 10 10 10				8
EC max current le in DC1 with L/R ≤ 1ms with 1 poles in series				
SEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series SE24V				
		690V	kW	22
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series			
T5V A 4 110V A 3 220V A -				
110V A 3 220V A -				
EC max current le in DC1 with L/R \leq 1ms with 2 poles in series \leq 24V A 15 48V A 14 75V A 9 110V A 8 220V A -				
Section Sec				3
		220V	A	_
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series		_	
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V A 16 48V A 16 75V A 10				
≤24V A 16 48V A 16 75V A 10	150	220V	А	_
48V A 16 75V A 10	IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series			4.0
75V A 10				
110V A 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	A	10
	220V	A	2
IFO	220 V	A	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series		_	_
	≤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	Α	8
	75V	A	5
	110V	A	4
150	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	A	10
	75V		
		A	6
	110V	A	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			
	440V	Α	72
	500V	A	72 72
	690V	A	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	9
	max	lbin	9
Tightoning torque for coil terminal	Шах	ווטו	<u> </u>
Tightening torque for coil terminal		N I .	0.0
	min	Nm	0.8
	max	Nm	1
	min	lbin	9





		max	Ibin	9
	simultaneously connectable		Nr.	2
Conductor section	ANAIC /IX !!			
	AWG/Kcmil	200 04		10
	Florible w/o lug conductor acction	max		12
	Flexible w/o lug conductor section	min	mana ²	0.75
		min	mm² mm²	0.75 2.5
	Florible a/w lug conductor coation	max	111111	2.5
	Flexible c/w lug conductor section	min	mm²	1.5
		max	mm²	2.5
	Flexible with insulated spade lug conductor section		111111	2.0
	r lexible with insulated space lug conductor section	min	mm²	1.5
		max	mm²	2.5
		max		IP20 when
Power terminal prote	ction according to IEC/EN 60529			properly wired
Mechanical features				Trop and most
Operating position				
. 01		normal		Vertical plan
		allowable		±30°
Einden er				Screw / DIN rail
Fixing				35mm
Weight			g	215
Conductor section				
	AWG/kcmil conductor section			
		max		12
Auxiliary contact chai	racteristics			
·	racteristics		A	10
Thermal current Ith			Α	10 A600 - Q600
Thermal current Ith IEC/EN 60947-5-1 de	esignation		A	
Thermal current Ith IEC/EN 60947-5-1 de	esignation	230V	A	
Thermal current Ith IEC/EN 60947-5-1 de	esignation	230V 400V		A600 - Q600
Thermal current Ith IEC/EN 60947-5-1 de	esignation		A	A600 - Q600 3
Thermal current lth IEC/EN 60947-5-1 do Operating current AC	esignation 215	400V	A A	A600 - Q600 3 1.9
Thermal current lth IEC/EN 60947-5-1 do Operating current AC	esignation 215	400V	A A	A600 - Q600 3 1.9
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC	esignation C15	400V 500V	A A A	A600 - Q600 3 1.9 1.4
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC	esignation C15	400V 500V	A A A	A600 - Q600 3 1.9 1.4
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC	esignation C15	400V 500V 110V	A A A	A600 - Q600 3 1.9 1.4 2.9
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC	esignation C15	400V 500V 110V 24V	A A A	A600 - Q600 3 1.9 1.4 2.9
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC	esignation C15	400V 500V 110V 24V 48V	A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC	esignation C15	400V 500V 110V 24V 48V 60V	A A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC	esignation C15	400V 500V 110V 24V 48V 60V 110V	A A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6
Thermal current Ith IEC/EN 60947-5-1 do Operating current AC Operating current DC	esignation C15	400V 500V 110V 24V 48V 60V 110V 125V	A A A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55
Thermal current lth IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC	esignation C15	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3
Thermal current lth IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operating current DC	esignation C15	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC Electrical life	esignation C15	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC Electrical life	esignation C15	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A Cycles	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data	esignation C15	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A Cycles	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data	esignation C15 C12 C13	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A Cycles	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data	esignation C15 C12 C13 C10	400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A A Cycles cycles	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000
Thermal current Ith IEC/EN 60947-5-1 de Operating current DC Operating current DC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data Performance level B	esignation C15 C12 C13 C10	400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A A Cycles cycles	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000
	esignation C15 C12 C13 C10 according to EN/ISO 13489-1	400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A A Cycles cycles	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000 500000

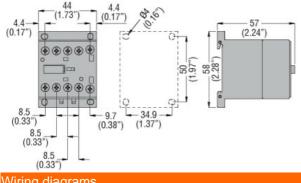


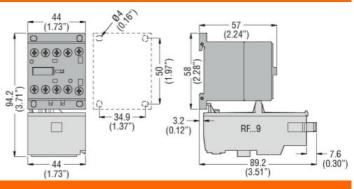


DC rated control volta	ge			V	125
DC operating voltage	mial				
	pick-up		min	%Us	75
			max	%Us	115
	drop-out			,,,,,,	
	·		min	%Us	10
			max	%Us	25
Average coil consump	tion ≤20°C				
			in-rush	W	3.2
Max avalos fraguenav			holding	W	3.2
Max cycles frequency Mechanical operation				cycles/h	3600
Operating times				Cycles/11	3000
Average time for Us c	ontrol				
	in AC				
		Closing NO			
		-	min	ms	12
			max	ms	21
		Opening NO			
			min	ms	9
		Olasias NO	max	ms	18
		Closing NC	min	ms	17
			max	ms	26
		Opening NC	max	1110	20
		- p	min	ms	7
			max	ms	17
	in DC				
		Closing NO			
			min	ms	18
		Opening NO	max	ms	25
		Opening NO	min	ms	2
			max	ms	3
		Closing NC	max		
		3 - 1	min	ms	3
			max	ms	5
		Opening NC			
			min	ms	11
			max	ms	17
UL technical data	for three shape	C motor			
Full-load current (FLA)) for trifee-phase <i>F</i>	I IIIOIOI	at 480V	Α	7.6
			at 600V	A	6.1
Yielded mechanical pe	erformance		at 000 v	- ' '	
	for single-phase	AC motor			
	5 ,		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

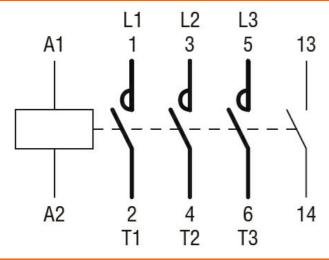
THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 9A, DC COIL, 125VDC, **1NO AUXILIARY CONTACT**

General USE				
	Contactor			
		AC current	Α	20
Short-circuit protecti	ion 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 aux	kiliary 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 & Protect	ction			
Pollution degree				3
Dimensions				
4.4— (1.73") (0.17") (0.17") (0.17") (0.17")	(2.24")	(1.73") (1.73") (1.73") (1.73") (1.73") (1.73")	(2	577





Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-4-1



11BG0910D125

THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 9A, DC COIL, 125VDC, 1NO AUXILIARY CONTACT

	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





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		A	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-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	Α	9
	110V	Α	8
	220V	Α	
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	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	A	10
	220V	A	2
IFO	220 V	A	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series		_	_
	≤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	Α	8
	75V	A	5
	110V	A	4
150	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	A	10
	75V		
		A	6
	110V	A	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			
	440V	Α	72
	500V	A	72 72
	690V	A	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	9
	max	lbin	9
Tightoning torque for coil terminal	Шах	ווטו	<u> </u>
Tightening torque for coil terminal		N I .	0.0
	min	Nm	0.8
	max	Nm	1
	min	lbin	9



		max	Ibin	9
	simultaneously connectable		Nr.	2
Conductor section				
	AWG/Kcmil			40
	Florida to the control of the control of	max		12
	Flexible w/o lug conductor section		2	0.75
		min	mm²	0.75 2.5
	Flexible c/w lug conductor section	max	mm²	2.5
	Flexible C/W lug colludctor section	min	mm²	1.5
		max	mm²	2.5
	Flexible with insulated spade lug conductor section		111111	2.0
	Tioxibio Will inculated opade lag conductor coolien	min	mm²	1.5
		max	mm²	2.5
				IP20 when
Power terminal protect	ction according to IEC/EN 60529			properly wired
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rail
				35mm
Weight			g	214
Conductor section				
	AWG/kcmil conductor section			
				10
		max		12
Auxiliary contact chara	acteristics	max	·	
Thermal current Ith		max	А	10
Thermal current Ith IEC/EN 60947-5-1 de	signation	max	A	
Thermal current Ith	signation			10 A600 - Q600
Thermal current lth IEC/EN 60947-5-1 de	signation	230V	A	10 A600 - Q600
Thermal current Ith IEC/EN 60947-5-1 de	signation	230V 400V	A A	10 A600 - Q600 3 1.9
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC	signation 15	230V	A	10 A600 - Q600
Thermal current Ith IEC/EN 60947-5-1 de	signation 15	230V 400V 500V	A A A	10 A600 - Q600 3 1.9 1.4
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC	signation 15	230V 400V	A A	10 A600 - Q600 3 1.9
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC	signation 15	230V 400V 500V	A A A	10 A600 - Q600 3 1.9 1.4
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC	signation 15	230V 400V 500V 110V	A A A	10 A600 - Q600 3 1.9 1.4 2.9
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC	signation 15	230V 400V 500V 110V 24V 48V	A A A A	10 A600 - Q600 3 1.9 1.4 2.9
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC	signation 15	230V 400V 500V 110V 24V 48V 60V	A A A A A	10 A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC	signation 15	230V 400V 500V 110V 24V 48V 60V 110V	A A A A A	10 A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC	signation 15	230V 400V 500V 110V 24V 48V 60V 110V 125V	A A A A A	10 A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC	signation 15	230V 400V 500V 110V 24V 48V 60V 110V	A A A A A A	10 A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC	signation 15	230V 400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A	10 A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC	signation 15	230V 400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A	10 A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operating current DC	signation 15	230V 400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A	10 A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operating current DC Operating current DC Mechanical life	signation 15	230V 400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A Cycles	10 A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data	signation 15	230V 400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A Cycles	10 A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data	signation 15 12 13	230V 400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A Cycles	10 A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data	signation 12 13 Od according to EN/ISO 13489-1	230V 400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A A Cycles cycles	10 A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC	signation 12 13 Od according to EN/ISO 13489-1	230V 400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A A Cycles cycles	10 A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC	signation 12 13 Od according to EN/ISO 13489-1	230V 400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A A Cycles cycles	10 A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000 500000

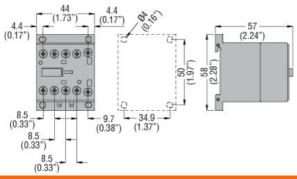


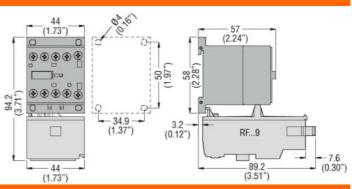


DC rated control voltage	je			V	220
DC operating voltage					
	pick-up		min	%Us	75
			max	%Us	115
	drop-out		max	7000	
	•		min	%Us	10
			max	%Us	25
Average coil consumpt	tion ≤20°C				
			in-rush	W	3.2
Max cycles frequency			holding	W	3.2
Mechanical operation				cycles/h	3600
Operating times				Cyclc3/11	3000
Average time for Us co	ontrol				
-	in AC				
		Closing NO			
			min	ms	12
		On aning NO	max	ms	21
		Opening NO	min	ms	9
			max	ms	18
		Closing NC			. •
		•	min	ms	17
			max	ms	26
		Opening NC			_
			min	ms	7 17
	in DC		max	ms	17
	111 00	Closing NO			
		5.55g	min	ms	18
			max	ms	25
		Opening NO			
			min	ms	2
		Closing NC	max	ms	3
		Closing NC	min	ms	3
			max	ms	5
		Opening NC			
			min	ms	11
			max	ms	17
UL technical data	for the second	A.C. mater			
Full-load current (FLA)	ior three-phase A	AC WOTOL	at 480V	۸	7.6
			at 600V	A A	6.1
Yielded mechanical pe	rformance			- , ,	
	for single-phase	e AC motor			
	- ·		110/120V	HP	0.5
	_		230V	HP	1.5
	for three-phase	AC motor	000/000:		•
			200/208V	HP	2
			220/230V 460/480V	HP HP	3 5
			575/600V	HP	5

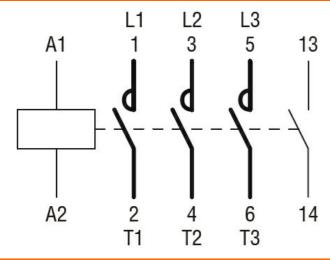
THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 9A, DC COIL, 220VDC, **1NO AUXILIARY CONTACT**

General USE				
	Contactor			
		AC current	Α	20
Short-circuit protection	on 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 auxi	iliary 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 & Protect	tion			
Pollution degree				3
Dimensions				
4.4 (0.17") (0.17") (0.17"	(2.24")	(1.73") ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○	(2)	57





Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-4-1



11BG0910D220

THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 9A, DC COIL, 220VDC, **1NO AUXILIARY CONTACT**

	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