



Product designation Product type designation Contact characteristics Number of poles Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp Operational frequency			Power contactor BG09
Product type designation Contact characteristics Number of poles Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp			
Contact characteristics Number of poles Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp			
Number of poles Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp			
Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp		Nr.	3
Rated impulse withstand voltage Uimp		V	690
		kV	6
	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith	Пал	A	20
Operational current le		~	20
	$\Lambda C = 1 (< 10^{\circ}C)$	٨	20
	AC-1 (≤40°C)	A	
	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≤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 $L/R \le 1$ ms with 1 poles in series			
	≤24V	А	12
	48V	А	10
	75V	А	4
	110V	А	3
	220V	А	-
IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series			
	≤24V	А	15
	48V	А	14
	75V	А	9
	110V	А	8
	220V	А	_
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series			
	≤24V	А	16
	48V	А	16
	75V	Α	10



	220V	Α	2
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
	≤24V	А	16
	48V	А	16
	75V	A	10
	110V	A	10
	220V	A	2
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 1 poles in series	2201		<u> </u>
	-041/		7
	≤24V	A	7
	48V	A	6
	75V	A	2
	110V	A	1
	220V	A	
IEC max current le in DC3-DC5 with L/R \leq 15ms with 2 poles in series			
	≤24V	Α	8
	48V	Α	8
	75V	А	5
	110V	А	4
	220V	А	_
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 3 poles in series			
	≤24V	А	10
	48V	A	10
	48V 75V		
		A	6
	110V	A	5
	220V	A	0,8
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 4 poles in series			
	≤24V	А	10
	48V	Α	10
	75V	Α	6
	110V	Α	5
	220V	А	0,8
Short-time allowable current for 10s (IEC/EN60947-1)		А	96
Protection fuse			
	gG (IEC)	А	20
	aM (IEC)	А	10
Making capacity (RMS value)		A	92
Breaking capacity at voltage			52
broaking capacity at voltage	44014	۸	70
	440V 500V	A A	72 72
	690V	A	72
Resistance per pole (average value)		mΩ	10
Power dissipation per pole (average value)			
	lth	W	4
	AC-3	W	0.81
Tightening torque for terminals			
	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
	111111		3

11BG0910L024 The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



		max	Ibin	9
	simultaneously connectable		Nr.	2
Conductor section				
	AWG/Kcmil			40
		max		12
	Flexible w/o lug conductor section			0.75
		min	mm² mm²	0.75 2.5
	Flexible c/w lug conductor section	max		2.0
	Flexible C/W lug conductor section	min	mm²	1.5
		max	mm²	2.5
	Flexible with insulated spade lug conductor section	max		2.0
		min	mm²	1.5
		max	mm²	2.5
		max		IP20 when
Power terminal protect	ction according to IEC/EN 60529			properly wired
Mechanical features				1 - 1 - 1
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN ra
Weight			g	35mm 204
Conductor section			9	204
	AWG/kcmil conductor section			
		max		12
Auxiliary contact char	acteristics	max		
Thermal current Ith			А	10
			~ ~	10
	esignation		Π	A600 - Q600
IEC/EN 60947-5-1 de			Α	
IEC/EN 60947-5-1 de Operating current AC		230V	A	A600 - Q600
IEC/EN 60947-5-1 de		230V 400V		
IEC/EN 60947-5-1 de			A	A600 - Q600 3
IEC/EN 60947-5-1 de Operating current AC	15	400V	A A	A600 - Q600 3 1.9
IEC/EN 60947-5-1 de Operating current AC	15	400V 500V	A A A	A600 - Q600 3 1.9 1.4
IEC/EN 60947-5-1 de Operating current AC Operating current DC	15	400V	A A	A600 - Q600 3 1.9
IEC/EN 60947-5-1 de Operating current AC Operating current DC	15	400V 500V	A A A	A600 - Q600 3 1.9 1.4
IEC/EN 60947-5-1 de Operating current AC Operating current DC	15	400V 500V 110V	A A A A	A600 - Q600 3 1.9 1.4 2.9
IEC/EN 60947-5-1 de Operating current AC Operating current DC	15	400V 500V 110V 24V	A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9
IEC/EN 60947-5-1 de Operating current AC Operating current DC	15	400V 500V 110V 24V 48V	A A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 2.9 1.4
IEC/EN 60947-5-1 de Operating current AC Operating current DC	15	400V 500V 110V 24V 48V 60V	A A A A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 2.9 1.4 1.2
IEC/EN 60947-5-1 de	15	400V 500V 110V 24V 48V 60V 110V	A 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
IEC/EN 60947-5-1 de Operating current AC Operating current DC	15	400V 500V 110V 24V 48V 60V 110V 125V	A A 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
IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC	15	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A 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
IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC	15	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A 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
IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operations Mechanical life Electrical life	15	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A 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 0.1
IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data	15	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A 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 20000000
IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data	15	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A 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 20000000
IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data	15	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A 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 20000000
IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data	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 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
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	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 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

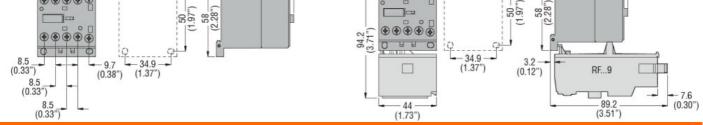


				.,	.
DC rated control voltage	je			V	24
DC operating voltage					
	pick-up			0/11-	75
			min	%Us	75
			max	%Us	115
	drop-out			0/11-	4.0
			min	%Us	10
	tion <20°0		max	%Us	25
Average coil consump			in-rush	W	2.2
				W	2.3
Max cycles frequency			holding	VV	2.3
Mechanical operation				cycles/h	3600
Operating times				Cyclc3/11	3000
Average time for Us co	ontrol				
, worage and for be of	in AC				
		Closing NO			
		g	min	ms	12
			max	ms	21
		Opening NO		-	
		, , ,	min	ms	9
			max	ms	18
		Closing NC			
		-	min	ms	17
			max	ms	26
		Opening NC			
			min	ms	7
			max	ms	17
	in DC				
		Closing NO			
			min	ms	18
			max	ms	25
		Opening NO			
			min	ms	2
			max	ms	3
		Closing NC			
			min	ms	3
		0	max	ms	5
		Opening NC			44
			min	ms	11
			max	ms	17
UL technical data	for three-phase AC mo	otor			
i un-ioau current (FLA)	ior unee-phase AC III		at 480V	А	7.6
			at 600V	A	6.1
Yielded mechanical pe	rformance		4,0001		
	for single-phase AC r	notor			
			110/120V	HP	0.5
			230V	HP	1.5
	for three-phase AC m	otor			-
	,		200/208V	HP	2
			220/230V	HP	3
			460/480V	HP	5
			575/600V	HP	5

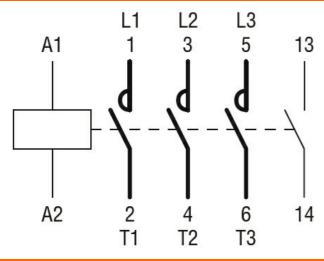
11BG0910L024



General USE Contactor AC current А 20 Short-circuit protection fuse, 600V High fault 100 Short circuit current kΑ Fuse rating 30 А Fuse class J Standard fault 5 Short circuit current kΑ Fuse rating А 30 RK5 Fuse class Contact rating of auxiliary contacts according to UL A600 - Q600 Ambient conditions Temperature Operating temperature °C -50 min °C +70 max Storage temperature °C -60 min °C +80max Max altitude m 3000 Resistance & Protection Pollution degree 3 Dimensions 44 4.4 (0.17' 0,6 - 57 -(2.24") 57 (0.17") (2.24")



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

11BG0910L024