

11BGF0910A22060 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 9A, AC COIL 60HZ, 220VAC, 1NO AUXILIARY CONTACT, FASTON TERMINALS



Product designation Product type designation Contact characteristics Number of poles Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp Operational frequency	min max	Nr. V kV Hz Hz A	Power contactor BGF09 3 690 6 25 400
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Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp Operational frequency		V kV Hz Hz	690 6 25
Rated impulse withstand voltage Uimp Operational frequency		kV Hz Hz	6 25
Operational frequency		Hz Hz	25
· · · ·		Hz	
IEC Conventional free air thormal aurrent Ith		Hz	
IEC Conventional free air thormal aurrent Ith	max		A00
IEC Conventional tree air thermal aurrent lth		A	
			20
Operational current le			
	AC-1 (≤40°C)	А	20
	AC-1 (≤55°C)	А	18
	AC-1 (≤70°C)	А	15
A	\C-3 (≤440V ≤55°C)	А	9
	AC-4 (400V)	А	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
	400V 500V	kW	14
		kW	22
	690V	KVV	22
IEC max current le in DC1 with $L/R \le 1$ ms with 1 poles in series			
	≤24V	A	12
	48V	Α	10
	75V	A	4
	110V	A	3
	220V	A	-
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 ≤ 1ms with 3 poles in series			
•	≤24V	А	16
	48V	A	16
	75V	A	10
	110V	A	10
	1100	<i>,</i> , ,	. •



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	220V	А	2
IEC max current le in DC1 with $L/R \le 1$ ms with 4 poles in series			
	≤24V	A	16
	48V	А	16
	75V	А	10
	110V	А	10
	220V	Α	2
IEC max current le in DC3-DC5 with L/R \leq 15ms with 1 poles in series			
	≤24V	А	7
	48V	А	6
	75V	А	2
	110V	А	1
	220V	А	_
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series			
	≤24V	А	8
	48V	А	8
	75V	А	5
	110V	A	4
	220V	A	_
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series			
	≤24V	А	10
	48V	A	10
	75V	A	6
	110V	A	5
	220V	A	0,8
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series	220 V	~	0,0
TEC max current le in DC5-DC5 with E/IC3 15ms with 4 poles in series	≤24V	А	10
	≤24V 48V	A	10
	40V 75V		
		A	6
	110V	A	5
	220V	A	0,8
Short-time allowable current for 10s (IEC/EN60947-1)		Α	96
Protection fuse			
	gG (IEC)	А	20
	aM (IEC)	A	10
Making capacity (RMS value)		А	92
Breaking capacity at voltage			
	440V	А	72
	500V	А	72
	690V	Α	72
Resistance per pole (average value)		mΩ	10
Power dissipation per pole (average value)			
	Ith	W	4
	AC-3	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			
	min	Nm	0.8
	max	Nm	1
	min	Ibin	9
		10111	0



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	eter Research and a second state	max	Ibin	9
	simultaneously connectable		Nr.	2
Conductor section				
	AWG/Kcmil			
		max		12
	Flexible w/o lug conductor section		2	
		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	ction according to IEC/EN 60529			IP20 when
-	5			properly wired
Mechanical features Operating position				
		normal		
		allowable		Vertical plan ±30°
		allowable		Screw / DIN ra
Fixing				35mm
Weight			g	180
Conductor section			9	100
	AWG/kcmil conductor section			
	AWG/Remii conductor section	max		12
		Пал		12
Auxiliary contact char	actoristics			
	acteristics		Δ	10
Thermal current Ith			A	10 A600 - O600
Thermal current Ith IEC/EN 60947-5-1 de	esignation		A	10 A600 - Q600
Auxiliary contact char Thermal current lth IEC/EN 60947-5-1 de Operating current AC	esignation	2201/		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 Ith IEC/EN 60947-5-1 de Operating current AC	esignation 15		A	A600 - Q600 3
Thermal current Ith IEC/EN 60947-5-1 de	esignation 15	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 15	400V	A A	A600 - Q600 3 1.9
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC	esignation 15	400V 500V 110V	A 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 15	400V 500V 110V 24V	A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC	esignation 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
Thermal current Ith 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 A A	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.1
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC	esignation 15	400V 500V 110V 24V 48V 60V 125V	A A A A A A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 2.9 1.4 1.1 0.3
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC	esignation 15	400V 500V 110V 24V 48V 60V 125V 220V	A A A A A A A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.1 0.3 0.1
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC	esignation 15	400V 500V 110V 24V 48V 60V 125V	A A A A A A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 2.9 1.4 1.1 0.3
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC	esignation 15	400V 500V 110V 24V 48V 60V 125V 220V	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 1.1 0.3 0.1 0.6
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operations Mechanical life	esignation 15	400V 500V 110V 24V 48V 60V 125V 220V	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 1.1 0.3 0.1 0.6 20000000
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operations Mechanical life Electrical life	esignation 15	400V 500V 110V 24V 48V 60V 125V 220V	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 1.1 0.3 0.1 0.6
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 15 212 213	400V 500V 110V 24V 48V 60V 125V 220V	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 1.1 0.3 0.1 0.6 20000000
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 15	400V 500V 110V 24V 48V 60V 125V 220V 600V	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 1.1 0.3 0.1 0.6 20000000 500000
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 15 12 13 10d according to EN/ISO 13489-1	400V 500V 110V 24V 48V 60V 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 1.1 0.3 0.1 0.6 20000000 500000 500000
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 Performance level B ²	esignation 15 12 13 10d according to EN/ISO 13489-1 mer	400V 500V 110V 24V 48V 60V 125V 220V 600V	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 1.1 0.3 0.1 0.6 20000000 500000 500000 500000
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data Performance level B ² Mirror contats accord	esignation 15 12 13 10d according to EN/ISO 13489-1	400V 500V 110V 24V 48V 60V 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 1.1 0.3 0.1 0.6 20000000 500000 500000 500000 yes
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 Performance level B ⁷ Mirror contats accord EMC compatibility	esignation 15 12 13 10d according to EN/ISO 13489-1 mer	400V 500V 110V 24V 48V 60V 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 1.1 0.3 0.1 0.6 20000000 500000 500000 500000
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data Performance level B ² Mirror contats accord	esignation 15 12 13 10d according to EN/ISO 13489-1 men ling to IEC/EN 609474-4-1	400V 500V 110V 24V 48V 60V 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 1.1 0.3 0.1 0.6 20000000 500000 500000 500000 yes



ENERGY AND AUTOMATION

	%Us %Us %Us %Us VA VA VA VA VA VA VA VA vA vA	75 115 20 55 30 4 25 3 30 4 0.95 3600
max min max in-rush holding in-rush holding	%Us %Us %Us VA VA VA VA VA VA VA VA VA VA	115 20 55 30 4 25 3 30 4 0.95
max min max in-rush holding in-rush holding	%Us %Us %Us VA VA VA VA VA VA VA VA VA VA	115 20 55 30 4 25 3 30 4 0.95
max min max in-rush holding in-rush holding	%Us %Us %Us VA VA VA VA VA VA VA VA VA VA	115 20 55 30 4 25 3 30 4 0.95
max in-rush holding in-rush holding	%Us %Us VA VA VA VA VA VA VA W	55 30 4 25 3 30 4 0.95
max in-rush holding in-rush holding	%Us VA VA VA VA VA VA VA W	55 30 4 25 3 30 4 0.95
in-rush holding in-rush holding in-rush holding	VA VA VA VA VA VA W	30 4 25 3 30 4 0.95
holding in-rush holding in-rush holding	VA VA VA VA VA W	4 25 3 30 4 0.95
holding in-rush holding in-rush holding	VA VA VA VA VA W	4 25 3 30 4 0.95
holding in-rush holding in-rush holding	VA VA VA VA VA W	4 25 3 30 4 0.95
in-rush holding in-rush holding	VA VA VA VA W	25 3 30 4 0.95
holding in-rush holding	VA VA VA W	3 30 4 0.95
holding in-rush holding	VA VA VA W	3 30 4 0.95
in-rush holding	VA VA W	30 4 0.95
holding	VA W	4 0.95
holding	VA W	4 0.95
	W	0.95
	cycles/h	3600
	Cycles/II	5000
min		
	ms	12
		21
min	ms	9
max	ms	18
min	ms	17
max	ms	26
min	ms	7
max	ms	17
		18
max	ms	25
min	me	2
		2 3
IIIdX	1115	5
min	ms	3
		5
max		-
min	ms	11
		17
at 480V	А	7.6
		6.1
	max min max min max min max min max min max	maxmsminmsmaxmsminmsminmsminmsmaxmsminmsmaxms

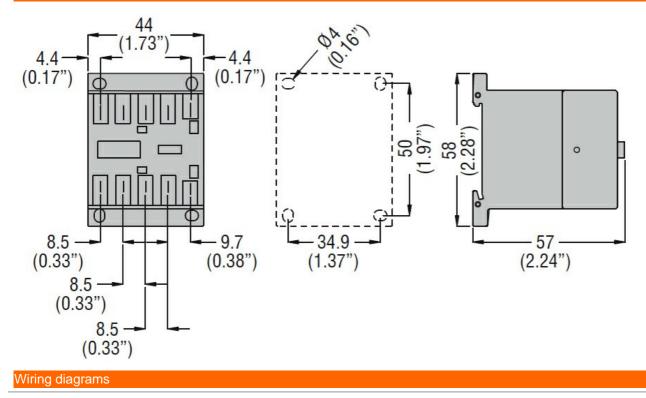
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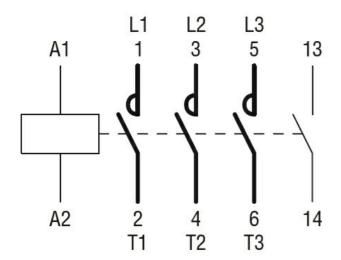
THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 9A, AC COIL 60HZ, 220VAC, 1NO AUXILIARY CONTACT, FASTON TERMINALS

	for single-phase AC motor			
	2	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	А	20
Short-circuit protec	tion fuse, 600V			
	High fault			
	-	Short circuit current	kA	100
		Fuse rating	А	30
		Fuse class		J
	Standard fault			
		Short circuit current	kA	5
		Fuse rating	А	30
Contact rating of au	uxiliary contacts according to UL			A600 - Q600
Ambient conditions	3			
Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	+70
	Storage temperature			
		min	°C	-60
		max	°C	+80
Max altitude			m	3000
Resistance & Prote	ection			
Pollution degree				3

Dimensions







Certifications and compliance

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