



Product type designation BGF00 Contact characteristics Unmber of poles AWG/Kcmil AWG/K	Product designation				Auxiliary contactor
Contact characteristics Nr. 4 Number of poles Nr. 4 Rated insulation voltage UI IEC/EN V 690 Rated insulation voltage UI IEC/EN KV 6 Operational frequency min Hz 25 IEC Conventional frequency min Hz 400 Short-time allowable current for 10s (IEC/EN60947-1) A 0 Protection fuse gG (IEC) A 16 Tightening torque for terminals min Nm 0.8 max Nm 1 min 10 Tightening torque for coil terminal min Nm 0.8 max Nm 1 min 10 Tightening torque for coil terminal min Nm 0.8 max Nm 1 min 10 Max number of wires simultaneously connectable Nr 2 Conductor section Max number of wires simultaneously connectable Nr 2 Conductor section Flexible w/o lug conductor section <t< td=""><td>Product type designat</td><td>ion</td><td></td><td></td><td></td></t<>	Product type designat	ion			
Number of poles Nr. 4 Rated insulation voltage Ui IEC/EN V 690 Rated insulation voltage Uimp kV 6 Operational frequency min Hz 25 max HZ 400 10 IEC Conventional free air thermal current lth A 10 10 Short-time allowable current for 10s (IEC/EN60947-1) A 0 10 Protection fuse gG (IEC) A 16 11 Tightening torque for coil terminals min Nm 0.8 max Nm 1 Tightening torque for coil terminal min Nm 0.8 max Nm 1 Tightening torque for coil terminal min Nm 0.8 max Nm 1 Max number of wires simultaneously connectable Nr. 2 2 2 2 Conductor section min min mm 15 max mm² 1.5 Flexible w/w lug conductor section min mm² 1.5					
Rated insulation voltage Ui IEC/EN V 690 Rated impulse withstand voltage Uimp KV 6 Operational frequency min Hz 25 max Hz 400 16 IEC Conventional free air thermal current lth A 10 Short-time allowable current for 10s (IEC/EN60947-1) A 0 Protection fuse gG (IEC) A 16 Tightening torque for terminals min Nm 0.8 max Nm 0.8 max Nm 1 min Nm 0.8 max Nm 1 Gonductor section Nr 2 2 2 <td></td> <td></td> <td></td> <td>Nr.</td> <td>4</td>				Nr.	4
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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 c/w lug conductor section min mm² 1.5 max mm² 2.5 Flexible with insulated spade lug conductor section min mm² 2.5 Power terminal protection according to IEC/EN 60529 IP20 when properly wired Mechanical features operating position ormal Vertical plan fixing Screw / DIN rail 35mm			min	lbin	9
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max mm² 2.5 Flexible with insulated spade lug conductor section min mm² 1.5 min mm² 2.5 1.5 Power terminal protection according to IEC/EN 60529 IP20 when properly wired 1.5 Mechanical features IP20 when properly wired 1.5 Operating position normal allowable ±30° Fixing Screw / DIN rail 35mm		Flexible c/w lug conductor section			
Flexible with insulated spade lug conductor section min mm² 1.5 max mm² 2.5 Power terminal protection according to IEC/EN 60529 IP20 when properly wired Mechanical features Operating position Pixing screw / DIN rail 35mm			min	mm²	1.5
min mm² 1.5 max mm² 2.5 Power terminal protection according to IEC/EN 60529 IP20 when properly wired Mechanical features Operating position Operating position normal allowable ±30° Fixing Screw / DIN rail 35mm			max	mm²	2.5
max mm² 2.5 Power terminal protection according to IEC/EN 60529 IP20 when properly wired Mechanical features JP20 when properly wired Operating position Vertical plan ±30° Fixing Screw / DIN rail 35mm		Flexible with insulated spade lug conductor section			
Power terminal protection according to IEC/EN 60529 IP20 when properly wired Mechanical features Operating position Operating position normal allowable Vertical plan ±30° Fixing Screw / DIN rail 35mm			min	mm²	
Power terminal protection according to IEC/EN 60529 properly wired Mechanical features Vertical plan Operating position normal Vertical plan allowable ±30° Fixing Screw / DIN rail 35mm			max	mm²	
Mechanical features Operating position normal Vertical plan allowable ±30° Fixing Screw / DIN rail 35mm	Power terminal protec	tion according to IEC/EN 60529			
Operating position normal Vertical plan allowable ±30° Fixing Screw / DIN rail 35mm 35mm	·				properly wired
normal Vertical plan allowable ±30° Fixing Screw / DIN rail 35mm					
allowable ±30° Fixing Screw / DIN rail 35mm	Operating position				
Fixing Screw / DIN rail 35mm					-
Fixing 35mm			allowable		
Weight g 212	Fixing				
	Weight			g	212

11BGF0040D024 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



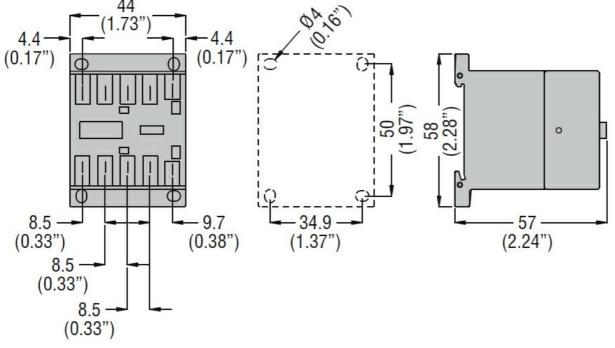
Conductor section

AWG/kcmil conductor section

	max		12
Auxiliary contact characteristics			
Thermal current Ith		А	10
IEC/EN 60947-5-1 designation			A600 - Q600
Operating current AC15			
	230V	А	3
	400V	А	1.9
	500V	А	1.4
Operating current DC12			
	110V	А	2.9
Operating current DC13			
	24V	А	2.9
	48V	А	1.4
	60V	А	1.1
	125V	А	0.3
	220V	А	0.1
	600V	А	0.6
Operations			
Mechanical life		cycles	20000000
Safety related data			
Performance level B10d according to EN/ISO 13489-1			
	mechanical load	cycles	2000000
Mirror contats according to IEC/EN 609474-4-1			YES
EMC compatibility			yes
DC coil operating		、 <i>r</i>	
DC rated control voltage		V	24
DC operating voltage			
pick-up		0/11	
	min	%Us	75
	max	%Us	115
drop-out	min	%Us	10
	min	%Us %Us	25
Average soil consumption <20°C	max	%05	20
Average coil consumption ≤20°C	in-rush	W	3.2
	holding	W	3.2
Max cycles frequency	noiding	VV	5.2
Mechanical operation		cycles/h	3600
Operating times		5,000/11	
Average time for Us control			
in AC			
Closing NO			
	min	ms	12
	max	ms	21
Opening NO			
	min	ms	9
	max	ms	18
Closing NC			
-	min	ms	17
	max	ms	26
Opening NC			-

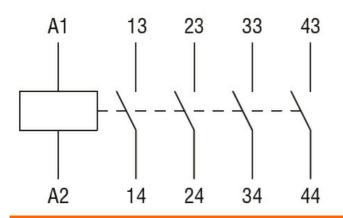


			min	ms	7
			max	ms	17
	in DC				
		Closing NO			
			min	ms	18
			max	ms	25
		Opening NO			
			min	ms	2
			max	ms	3
		Closing NC			
			min	ms	3
			max	ms	5
		Opening NC			
			min	ms	11
			max	ms	17
UL technical data					
Contact rating of au	xiliary contacts acc	ording to UL			A600 - Q600
	xiliary contacts acc	ording to UL			A600 - Q600
Contact rating of au	xiliary contacts acc	ording to UL			A600 - Q600
Contact rating of au Ambient conditions	xiliary contacts according tem				A600 - Q600
Contact rating of au Ambient conditions			min	°C	A600 - Q600 -50
Contact rating of au Ambient conditions			min max	D° D°	
Contact rating of au Ambient conditions	Operating tem	perature			-50
Contact rating of au Ambient conditions		perature			-50
Contact rating of au Ambient conditions	Operating tem	perature	max	°C	-50 +70
Contact rating of au Ambient conditions	Operating tem	perature	max min	°C °C	-50 +70 -60
Contact rating of au Ambient conditions Temperature	Operating tem	perature	max min	0° 0° 0°	-50 +70 -60 +80
Contact rating of au Ambient conditions Temperature Max altitude	Operating tem	perature	max min	0° 0° 0°	-50 +70 -60 +80
Contact rating of au Ambient conditions Temperature Max altitude Resistance & Prote	Operating tem	perature	max min	0° 0° 0°	-50 +70 -60 +80 3000
Contact rating of au Ambient conditions Temperature Max altitude Resistance & Prote Pollution degree	Operating tem	perature	max min	0° 0° 0°	-50 +70 -60 +80 3000



Wiring diagrams





Certifications and compliance

Compliance		
	CSA C22.2 n° 60947-1	
	CSA C22.2 n° 60947-5-1	
	IEC/EN 60947-1	
	IEC/EN 60947-5-1	
	UL 60947-1	
	UL 60947-5-1	
Certificates		
	CCC	
	cULus	
	EAC	
ETIM classification		

ETIM 8.0

EC000196 -Contactor relay