



Product type designation BG00 Contact characteristics Number of poles nr. 4 Rated insulation voltage Ui IEC/EN V 690 Rated impulse withstand voltage Uimp kV 6 Operational frequency min Hz 25 max Hz 400 IEC Conventional free air thermal current Ith A 10 Operational current Ie AC-1 (≤40°C) A 160 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 Ibin 0.6 max Ibin 0.7 Tightening torque for coil terminal min no.6
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Short-time allowable current for 10s (IEC/EN60947-1) Protection fuse gG (IEC) A 16 Tightening torque for terminals min Nm 0.8 max Nm 1 min Ibin 0.6 max Ibin 0.7
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min Ibin 0.6 max Ibin 0.7
max Ibin 0.7
rightening torque for contentinal
min Nm 0.8
max Nm 1
min lbft 0.59
max lbft 0.74
Max number of wires simultaneously connectable nr. 2
Conductor section
Flexible w/o lug conductor section
min mm ² 0.8
max mm ² 2.5
Flexible c/w lug conductor section
min mm ² 1.5
$max mm^2 2.5$
Flexible with insulated spade lug conductor section
min mm² 1.5
max mm² 2.5
Power terminal protection according to IEC/EN 60529 IP20
Mechanical features
Operating position
normal vertical plan
allowable ±30°
Fixing Screw / DIN rail 35mm
Weight g 200
Auxiliary contact characteristics



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Type of contact				4 NO
Thermal current Ith			Α	10
IEC/EN 60947-5-1 des	ignation			A600 - Q600
Operating current AC1	5			
		230V	Α	3
		400V	Α	1.9
		500V	Α	1.4
Operating current DC1	2			
		110V	Α	2.9
Operating current DC1	3			
1 0		24V	Α	2.9
		48V	Α	1.4
		60V	Α	1.2
		110V	Α	0.6
		125V	Α	0.55
		220V	A	0.3
		600V	Α	0.1
Operations			, , , , , , , , , , , , , , , , , , ,	
Mechanical life			cycles	20000000
Safety related data			Oyoloo	2000000
	od according to EN/ISO 13489-1			
T CHOIMANCE ICVCI DTC	d according to ETV/100 10400 1	mechanical load	cycles	20000000
Mirror contate accordin	g to IEC/EN 609474-4-1	mechanical load	Cycles	true
	ig to IEC/EIN 609474-4-1			_
EMC compatibility				true
AC coil operating	0/60H= 60H=			
Rated AC voltage at 50	0/00HZ, 00HZ		17	10
		min	V	12
AC an arating valtage		max	V	575
AC operating voltage	of 50/0011- and a support of 5011-			
	of 50/60Hz coil powered at 50Hz			
	pick-up	!	0/11-	75
		min	%Us	75 445
	1	max	%Us	115
	drop-out		0/11	22
		min	%Us	20
	(= 0/00 L 1 00 L 00 L 1 1 1 1 1 1 1 1 1	max	%Us	55
	of 50/60Hz coil powered at 60Hz			
	pick-up		0/11	
		min	%Us	80
		max	%Us	115
	drop-out		0/11	
		min	%Us	20
		max	%Us	55
AC operating voltage a				
	of 50/60Hz coil powered at 50Hz			
		in-rush	VA	30
		holding	VA	4
	of 50/60Hz coil powered at 60Hz			
		in-rush	VA	25
		holding	VA	3
	of 60Hz coil powered at 60Hz			
		in-rush	VA	30
		holding	VA	4



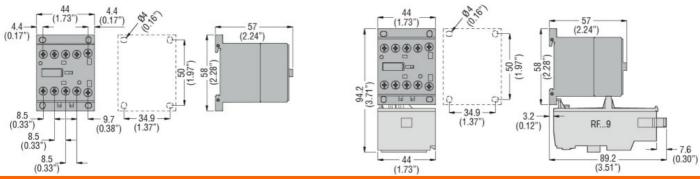
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Dissipation at holding	g ≤20°C 50Hz			W	0.9
DC coil operating					
DC rated control volta	age				
			min	V	6
			max	V	250
Average coil consum	ption ≤20°C				
			in-rush	W	3.2
			holding	W	3.2
Max cycles frequency	•				0000
Mechanical operation	ns .			cycles/h	3600
Operating times	tual				
Average time for Us					
	in AC	Olasia a NO			
		Closing NO			4.0
			min	ms	12
		Opening NO	max	ms	21
		Opening NO	min	ma	0
			min	ms	9
		Closing NC	max	ms	18
		Closing NC	min	me	17
			max	ms ms	26
		Opening NC	IIIax	1115	20
		Opening NC	min	me	7
				ms	, 17
	in DC		max	ms	17
	III DC	Closing NO			
		Closing NO	min	ms	18
			max	ms	25
		Opening NO	max	1110	20
		Opening 140	min	ms	2
			max	ms	3
		Closing NC	max	1110	Ü
		Closing 110	min	ms	3
			max	ms	5
		Opening NC	max		
		- 1	min	ms	11
			max	ms	17
UL technical data					
	iliary contacts according t	to UL			A600 - Q600
General USE					
	Contactor				
			AC current	Α	160
Ambient conditions					
Temperature					
	Operating temperatur	e			
			min	°C	-40
			max	°C	60
	Storage temperature				
	•		min	°C	-55
			max	°C	70
Max altitude				m	3000
Resistance & Protect	tion				
Pollution degree					3

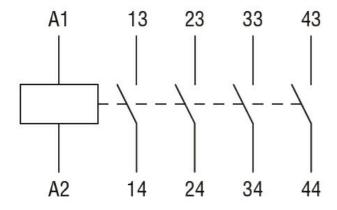


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Dimensions



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 6 classification

EC000066 - Power contactor, AC switching