



Product designation				Auxiliary contactor
Product type designat				BG00
Contact characteristic	S		N.I.	4
Number of poles	II: IFO/FNI		Nr.	4
Rated insulation voltage			V	690
Rated impulse withsta			kV	6
Operational frequency		min	U⇒	0.E
		min	Hz Hz	25 400
IEC Conventional free	air thormal current Ith	max	A	10
Protection fuse	all thermal current ith			10
r lotection luse		gG (IEC)	Α	16
Tightening torque for t	orminals	gG (ILC)		10
rigitiering torque for t	eminais	min	Nm	0.8
		max	Nm	1
		min	lbin	9
		max	Ibin	9
Tightening torque for o	coil terminal	max		
rigintarining tarqua for t		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
Power terminal protection according to IEC/EN 60529				IP20 when
				properly wired
Mechanical features				
Operating position				\/ortion mla
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rail 35mm
Weight				216
vveigni			g	210



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Conductor section					
	AWG/kcmil conduc	tor section			
A	ata dati a		max		12
Auxiliary contact characterial Contact Characterial Courtent Ith	cteristics			۸	10
IEC/EN 60947-5-1 des	ignation			Α	A600 - Q600
Operating current AC1					A600 - Q600
Operating current ACT	3		230V	Α	3
			400V	A	1.9
			500V	A	1.4
Operating current DC1	2				
3			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
Safety related data		20.40.40			
Performance level B10	d according to EN/IS	SO 13489-1			
			mechanical load	cycles	20000000
Mirror contats according	ig to IEC/EN 609474	-4-1			YES
EMC compatibility					
					yes
DC coil operating	10			V	
DC coil operating DC rated control voltage	je			V	125
DC coil operating				V	
DC coil operating DC rated control voltage	ge pick-up		min		125
DC coil operating DC rated control voltage			min max	%Us	125 75
DC coil operating DC rated control voltage	pick-up		min max		125
DC coil operating DC rated control voltage				%Us	125 75
DC coil operating DC rated control voltag DC operating voltage	pick-up drop-out		max	%Us %Us	125 75 115
DC coil operating DC rated control voltage	pick-up drop-out		max min	%Us %Us %Us	125 75 115
DC coil operating DC rated control voltag DC operating voltage	pick-up drop-out		max min max in-rush	%Us %Us %Us %Us %Us	125 75 115 10 20
DC coil operating DC rated control voltage DC operating voltage Average coil consumpt	pick-up drop-out		max min max	%Us %Us %Us %Us	75 115 10 20
DC coil operating DC rated control voltage DC operating voltage Average coil consumpt Max cycles frequency	pick-up drop-out		max min max in-rush	%Us %Us %Us %Us W W	125 75 115 10 20 3.2 3.2
DC coil operating DC rated control voltage DC operating voltage Average coil consumpt Max cycles frequency Mechanical operation	pick-up drop-out		max min max in-rush	%Us %Us %Us %Us %Us	125 75 115 10 20 3.2 3.2
DC coil operating DC rated control voltage DC operating voltage Average coil consumpt Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C		max min max in-rush	%Us %Us %Us %Us W W	125 75 115 10 20 3.2 3.2
DC coil operating DC rated control voltage DC operating voltage Average coil consumpt Max cycles frequency Mechanical operation	pick-up drop-out tion ≤20°C		max min max in-rush	%Us %Us %Us %Us W W	125 75 115 10 20 3.2 3.2
DC coil operating DC rated control voltage DC operating voltage Average coil consumpt Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C		max min max in-rush	%Us %Us %Us %Us W W	125 75 115 10 20 3.2 3.2
DC coil operating DC rated control voltage DC operating voltage Average coil consumpt Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C	Closing NO	max min max in-rush holding	%Us %Us %Us %Us W W	75 115 10 20 3.2 3.2 3600
DC coil operating DC rated control voltage DC operating voltage Average coil consumpt Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C	Closing NO	max min max in-rush holding	%Us %Us %Us %Us W W	125 75 115 10 20 3.2 3.2 3600
DC coil operating DC rated control voltage DC operating voltage Average coil consumpt Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C	-	max min max in-rush holding	%Us %Us %Us %Us W W	75 115 10 20 3.2 3.2 3600
DC coil operating DC rated control voltage DC operating voltage Average coil consumpt Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C	Closing NO Opening NO	max min max in-rush holding min max	%Us %Us %Us %Us W W cycles/h	125 75 115 10 20 3.2 3.2 3600
DC coil operating DC rated control voltage DC operating voltage Average coil consumpt Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C	-	min max in-rush holding min max min max	%Us %Us %Us %Us W W cycles/h	125 75 115 10 20 3.2 3.2 3600
DC coil operating DC rated control voltage DC operating voltage Average coil consumpt Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C	Opening NO	max min max in-rush holding min max	%Us %Us %Us %Us W W cycles/h	125 75 115 10 20 3.2 3.2 3600
DC coil operating DC rated control voltage DC operating voltage Average coil consumpt Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C	-	min max in-rush holding min max min max	%Us %Us %Us %Us W W cycles/h	125 75 115 10 20 3.2 3.2 3600 12 21
DC coil operating DC rated control voltage DC operating voltage Average coil consumpt Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C	Opening NO	min max in-rush holding min max min max	%Us %Us %Us %Us W W cycles/h	125 75 115 10 20 3.2 3.2 3600



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

AC current

10

Α

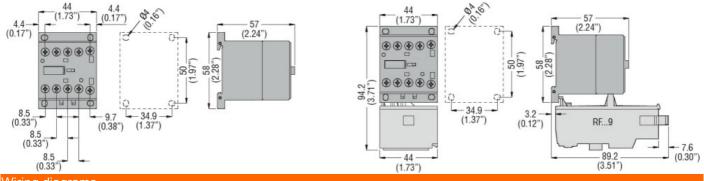
UL technical data

General USE

Contactor

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

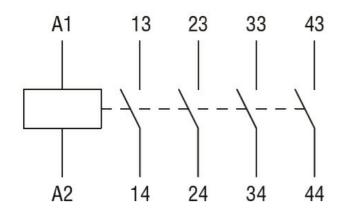
Dimensions



Wiring diagrams



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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