



				Auxiliary
Product designation				contactor
Product type designat	tion			BG00
Contact characteristic	S			
Number of poles			Nr.	4
Rated insulation voltage		V	690	
Rated impulse withsta		kV	6	
Operational frequency	1			
		min	Hz	25
		max	Hz	400
IEC Conventional free		Α	10	
Protection fuse				
		gG (IEC)	Α	16
Tightening torque for t	terminals			
		min	Nm	0.8
		max	Nm	1
		min	lbin	9
		max	lbin	9
Tightening torque for o	coil terminal			
		min	Nm	0.8
		max	Nm	1
		min	lbin	9
		max	Ibin	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			4.5
		min	mm²	1.5
		max	mm²	2.5
Power terminal protect			IP20 when properly wired	
Mechanical features				property wired
Operating position				
Operating position		normal		Vertical plan
		allowable		Vertical plan ±30°
		allowable		Screw / DIN rail
Fixing				35mm
Weight				212
vvoigni			g	<u> </u>



ENERGY AND AUTOMATION

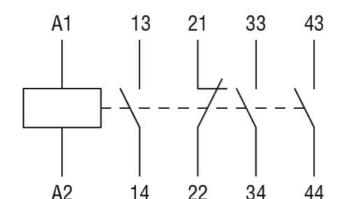
Conductor section					_
	AWG/kcmil conduc	ctor section			
A	at a start a c		max		12
Auxiliary contact characteristics and current lth	cteristics			۸	10
IEC/EN 60947-5-1 des	rianation			Α	A600 - Q600
Operating current AC1					A600 - Q600
Operating current ACT	3		230V	Α	3
			400V	A	1.9
			500V	A	1.4
Operating current DC1	2				
operating carrent 201	_		110V	Α	2.9
Operating current DC1	3				
operating amount a co			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	2000000
Safety related data					
Performance level B10	d according to EN/I	SO 13489-1			
			mechanical load	cycles	20000000
Mirror contats according	ng to IEC/EN 609474	4-4-1			YES
EMC compatibility					
					yes
DC coil operating					
DC coil operating DC rated control voltage	ge			V	yes 220
DC coil operating				V	
DC coil operating DC rated control voltage	ge pick-up				220
DC coil operating DC rated control voltage			min	%Us	220 75
DC coil operating DC rated control voltage	pick-up		min max		220
DC coil operating DC rated control voltage			max	%Us %Us	75 115
DC coil operating DC rated control voltage	pick-up		max	%Us %Us %Us	220 75 115
DC coil operating DC rated control voltage DC operating voltage	pick-up drop-out		max	%Us %Us	75 115
DC coil operating DC rated control voltage	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	pick-up drop-out		max min max in-rush	%Us %Us %Us %Us %Us	220 75 115 10 20 3.2
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	220 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	220 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	220 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	220 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	%Us %Us %Us %Us W W	220 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	%Us %Us %Us %Us W W	220 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	220 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	%Us %Us %Us %Us W W	220 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	220 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	220 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 min max min max	%Us %Us %Us %Us W W cycles/h	220 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	max min max in-rush holding min max min max min max min	%Us %Us %Us %Us W W cycles/h	220 75 115 10 20 3.2 3.2 3600 12 21 9 18 17
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 min max	%Us %Us %Us %Us W W cycles/h	220 75 115 10 20 3.2 3.2 3600 12 21



Opening NC

		Opening NC			
			min	ms	7
			max	ms	17
	in DC				
	= 0	Closing NO			
		Glooming 110	min	ms	18
			max	ms	25
		Opening NO		1113	25
		Opening NO			0
			min	ms	2
		01 1 110	max	ms	3
		Closing NC			_
			min	ms	3
			max	ms	5
		Opening NC			
			min	ms	11
			max	ms	17
UL technical data					
General USE					
	Contactor				
	Contactor		AC current	Α	10
Contact rating of auxili	ary contacts according to	. I II	7.6 current		A600 - Q600
	ary contacts according to	OL			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	n				
Pollution degree	511				3
Dimensions					3
4.4 (0.17") (0.17") (0.17") (0.17") (0.33") (0.33") (0.33") Wiring diagrams	34.9 — (1.37")		44 (1.73")	58 (2.28")	89.2 (3.51")
Tring diagramo					





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