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	99	Josefie B	
113	09		

Product designation				Auxiliary contactor
Product type designat				BG00
Contact characteristic	S			
Number of poles			Nr.	4
Rated insulation voltage			V	690
Rated impulse withsta			kV	6
Operational frequency				. -
		min	Hz	25
		max	Hz	400
IEC Conventional free	air thermal current Ith		A	10
Protection fuse			_	
		gG (IEC)	A	16
Tightening torque for t	erminals			
		min	Nm	0.8
		max	Nm	1
		min	lbin	9
		max	Ibin	9
Tightening torque for o	coil terminal			
		min	Nm	0.8
		max	Nm	1
		min	lbin	9
		max	lbin	9
	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				Manthaalastas
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rail
Maight				35mm
Weight			g	178



ENERGY AND ACTOMATION

Conductor section

AWG/kcmil conductor section

	AWG/kcmil conductor section			10
		max		12
Auxiliary contact chara	acteristics		٨	40
Thermal current Ith			Α	10
IEC/EN 60947-5-1 de				A600 - Q600
Operating current AC1	15	0001/		
		230V	A	3
		400V	A	1.9
<u> </u>		500V	A	1.4
Operating current DC1	12		_	
		110V	Α	2.9
Operating current DC1	13		_	
		24V	Α	2.9
		48V	A	1.4
		60V	A	1.2
		110V	A	0.6
		125V	A	0.55
		220V	Α	0.3
		600V	А	0.1
Operations				
Mechanical life			cycles	20000000
Safety related data				
Performance level B1	0d according to EN/ISO 13489-1			
		mechanical load	cycles	2000000
	ng to IEC/EN 609474-4-1			YES
EMC compatibility				yes
AC coil operating				
Rated AC voltage at 5	0/60Hz		V	42
Rated AC voltage at 5 AC operating voltage	0/60Hz		V	42
	0/60Hz of 50/60Hz coil powered at 50Hz		V	42
	of 50/60Hz coil powered at 50Hz	min	V %Us	42 75
	of 50/60Hz coil powered at 50Hz	min max		
	of 50/60Hz coil powered at 50Hz		%Us	75
	of 50/60Hz coil powered at 50Hz pick-up		%Us %Us %Us	75
	of 50/60Hz coil powered at 50Hz pick-up drop-out	max	%Us %Us	75 115
	of 50/60Hz coil powered at 50Hz pick-up	max	%Us %Us %Us	75 115 20
	of 50/60Hz coil powered at 50Hz pick-up drop-out	max min max	%Us %Us %Us %Us	75 115 20 55
	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz	max	%Us %Us %Us %Us	75 115 20 55 80
	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up	max min max	%Us %Us %Us %Us	75 115 20 55
	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz	max min max min	%Us %Us %Us %Us %Us	75 115 20 55 80 115
	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up	max min max min	%Us %Us %Us %Us %Us %Us	75 115 20 55 80 115 20
AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out	max min max min max	%Us %Us %Us %Us %Us	75 115 20 55 80 115
	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out	max min max min max min	%Us %Us %Us %Us %Us %Us	75 115 20 55 80 115 20
AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out	max min max min max min max	%Us %Us %Us %Us %Us %Us %Us	75 115 20 55 80 115 20 55
AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out	max min max min max min max in-rush	%Us %Us %Us %Us %Us %Us %Us	75 115 20 55 80 115 20 55 30
AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out	max min max min max min max	%Us %Us %Us %Us %Us %Us %Us	75 115 20 55 80 115 20 55
AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out	max min max min max min max in-rush	%Us %Us %Us %Us %Us %Us %Us	75 115 20 55 80 115 20 55 30
AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out	max min max min max min max in-rush	%Us %Us %Us %Us %Us %Us %Us	75 115 20 55 80 115 20 55 30
AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out umption at 20°C of 50/60Hz coil powered at 50Hz of 50/60Hz coil powered at 60Hz	max min max min max min max in-rush holding	%Us %Us %Us %Us %Us %Us %Us %Us	75 115 20 55 80 115 20 55 30 4
AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out	max min max min max min max in-rush holding in-rush	%Us %Us %Us %Us %Us %Us %Us %Us %Us VA VA VA	75 115 20 55 80 115 20 55 30 4 25 3
AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out umption at 20°C of 50/60Hz coil powered at 50Hz of 50/60Hz coil powered at 60Hz	max min max min max min max in-rush holding in-rush	%Us %Us %Us %Us %Us %Us %Us %Us %Us %Us	75 115 20 55 80 115 20 55 30 4 25

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functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding

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			holding	VA	4
Dissipation at holdi				W	0.95
Max cycles frequer					
Mechanical operation	on			cycles/h	n 3600
Operating times					
Average time for U					
	in AC				
		Closing NO			
			min	ms	12
			max	ms	21
		Opening NO			0
			min	ms	9
			max	ms	18
		Closing NC	min	me	17
			max	ms ms	26
		Opening NC	Παλ	1115	20
		Opening NO	min	ms	7
			max	ms	17
	in DC		Παλ	1113	17
		Closing NO			
			min	ms	18
			max	ms	25
		Opening NO		me	20
			min	ms	2
			max	ms	3
		Closing NC			
		C C	min	ms	3
			max	ms	5
		Opening NC			
			min	ms	11
			max	ms	17
UL technical data					
General USE					
	Contactor				
			AC current	Α	10
	uxiliary contacts accore	ding to UL			A600 - Q600
Ambient conditions	;				
Temperature					
	Operating tempe	erature			
			min	°C	-50
			max	°C	+70
	Storage tempera	iture			
			min	°C	-60
			max	°C	+80
Max altitude				m	3000
Resistance & Prote	ection				
Pollution degree					3