



Product designation				Auxiliary
Droduct type decigned	tion			contactor BG00
Product type designat Contact characteristic				ВООО
Number of poles			nr.	4
Rated insulation voltage	ge Hi JEC/EN		V	690
Rated impulse withsta			kV	6
Operational frequency	· .		IC V	
oporational modulono,	,	min	Hz	25
		max	Hz	400
IEC Conventional free	e air thermal current Ith	max	A	10
Operational current le				
		AC-1 (≤40°C)	Α	160
Short-time allowable	current for 10s (IEC/EN60947-1)		Α	0
Protection fuse	(
		gG (IEC)	Α	16
Tightening torque for t	terminals	<u> </u>		
3 3 1		min	Nm	0.8
		max	Nm	1
		min	lbin	0.59
		max	lbin	0.74
Tightening torque for	coil terminal			
		min	Nm	0.8
		max	Nm	1
		min	lbft	0.8
		max	lbft	0.74
	simultaneously connectable		nr.	2
Conductor section				
	Flexible w/o lug conductor section			
		min	mm²	0.75
		max	mm²	2.5
	Flexible c/w lug conductor section			
		min	mm²	1.5
	Fig. 21. 20. See Let al. and L	max	mm²	2.5
	Flexible with insulated spade lug conductor section		mm²	1.5
		min	mm²	1.5 2.5
Power terminal protect	ction according to IEC/EN 60529	max	111111	IP20 when wired
Mechanical features	CHOIL ACCOLUTING TO LEC/EIN 00329			ir zu wiieli wiied
Operating position				
operating position		normal		vertical plan
		allowable		±30°
		anowabie		Screw / DIN rail
Fixing				35mm
Weight			g	179
S			3	



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Auxiliary contact charac	teristics			
Type of contact				4 NO
Thermal current Ith			Α	10
IEC/EN 60947-5-1 desi	ignation			A600 - Q600
Operating current AC15	5			
		230V	Α	3
		400V	Α	1.9
		500V	Α	1.4
Operating current DC12	2			
		110V	Α	2.9
Operating current DC13	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				
	d according to EN/ISO 13489-1			
	Ç	mechanical load	cycles	20000000
Mirror contats according	g to IEC/EN 609474-4-1			true
EMC compatibility	9			Yes
AC coil operating				. 00
Rated AC voltage at 50	/60Hz, 60Hz			
riaioa / io romago ai oo,	,	min	V	12
			•	
		max	V	575
AC operating voltage		max	V	575
AC operating voltage	of 50/60Hz coil powered at 50Hz	max	V	575
AC operating voltage	of 50/60Hz coil powered at 50Hz	max	V	575
AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up			
AC operating voltage		min	%Us	75
AC operating voltage	pick-up			
AC operating voltage		min max	%Us %Us	75 115
AC operating voltage	pick-up	min max min	%Us %Us %Us	75 115 20
AC operating voltage	pick-up drop-out	min max	%Us %Us	75 115
AC operating voltage	pick-up drop-out of 50/60Hz coil powered at 60Hz	min max min	%Us %Us %Us	75 115 20
AC operating voltage	pick-up drop-out	min max min max	%Us %Us %Us %Us	75 115 20 55
AC operating voltage	pick-up drop-out of 50/60Hz coil powered at 60Hz	min max min max min	%Us %Us %Us %Us	75 115 20 55
AC operating voltage	pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up	min max min max	%Us %Us %Us %Us	75 115 20 55
AC operating voltage	pick-up drop-out of 50/60Hz coil powered at 60Hz	min max min max min max	%Us %Us %Us %Us %Us	75 115 20 55 80 115
AC operating voltage	pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up	min max min max min max min	%Us %Us %Us %Us %Us	75 115 20 55 80 115
	pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out	min max min max min max	%Us %Us %Us %Us %Us	75 115 20 55 80 115
AC operating voltage AC operating voltage at	pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out	min max min max min max min	%Us %Us %Us %Us %Us	75 115 20 55 80 115
	pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out	min max min max min max min max	%Us %Us %Us %Us %Us %Us	75 115 20 55 80 115 20 55
	pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out	min max min max min max min max in-rush	%Us %Us %Us %Us %Us %Us %Us	75 115 20 55 80 115 20 55
	of 50/60Hz coil powered at 60Hz pick-up drop-out drop-out	min max min max min max min max	%Us %Us %Us %Us %Us %Us	75 115 20 55 80 115 20 55
	pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out	min 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
	of 50/60Hz coil powered at 60Hz pick-up drop-out drop-out	min max min max min max in-rush holding in-rush	%Us %Us %Us %Us %Us %Us %Us VA VA	75 115 20 55 80 115 20 55 30 4
	pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out t 20°C of 50/60Hz coil powered at 50Hz of 50/60Hz coil powered at 60Hz	min 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
	of 50/60Hz coil powered at 60Hz pick-up drop-out drop-out	min max min max min max min max in-rush holding in-rush holding	%Us %Us %Us %Us %Us %Us %Us VA VA	75 115 20 55 80 115 20 55 30 4
	pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out t 20°C of 50/60Hz coil powered at 50Hz of 50/60Hz coil powered at 60Hz	min max min max min max in-rush holding in-rush	%Us %Us %Us %Us %Us %Us %Us VA VA	75 115 20 55 80 115 20 55 30 4



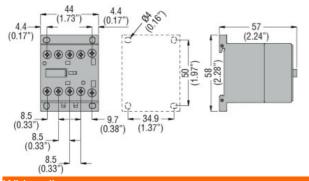
DC rated control voltage				holding	VA	4
DC rated control voltage	Dissipation at holding	≤20°C 50Hz			W	0.95
Max V 6 6 6 6 6 6 6 6 6	DC coil operating					
Average coil consumption \$20°C in-rush holding W 3.2 s.2 s.2 s.2 s.2 s.3 s.3	DC rated control volta	ge				
Average coil consumption ≤20°C in-rush W 3.2 holding W 3.2 Max cycles frequency Max altitude Max altitude Max altitude Max altitude Max altitude Max altitud				min		
In-rush My 3.2 Max cycles frequency Mechanical operations Cycles frequency Mechanical operations Mechanical operations Average time for Us control In AC				max	V	250
Max cycles frequency Mechanical operations Cycles/h 3600	Average coil consump	otion ≤20°C				
Max cycles frequency Cycles/h 3600 Operating times Average time for Us control in AC min ms 12 max ms 21 Closing NO min ms 21 max ms 21 max ms 18 Closing NC min ms 18 Closing NC min ms 17 max ms 26 max ms 17 Opening NC min ms 7 in DC Closing NO Closing NO min ms 18 max ms 25 Opening NO Opening NO min ms 2 max ms 3 25 Opening NO min ms 3 max ms 3 3 Closing NC min ms 3 max ms 5 3 Opening NC min ms 3 max ms 5 3 Opening NC min ms 11 max ms 5 3 Opening NC min ms 11 max ms 5 4 Opening NC min ms 11 max ms 17 1 Ut technical data accurrent A 600 - Q600 Contactor AC						
Mechanical operations cycles/h 3600 Operating times Average time for Us control min ms 12 Closing NO min ms 12 Max ms 21 Opening NO min ms 18 Closing NC min ms 26 Opening NC min ms 26 Opening NC min ms 17 in DC Closing NO min ms 12 Closing NO min ms 25 Opening NO min ms 2 Closing NC min ms 2 Closing NC min ms 3 Closing NC min ms 5 Opening NC min ms 1 UL technical data ms				holding	W	3.2
Closing NO						2000
Average time for Us control in AC Closing NO		5			cycles/n	3600
in AC Closing NO		ontrol				
Closing NO	Average time for US C					
March Marc		III AC	Closing NO			
Opening NO			Closing NO	min	me	12
Opening NO						
Closing NC			Opening NO	max	1113	_ ·
Closing NC			5p0ig 110	min	ms	9
Closing NC						
Min ms			Closing NC			-
Opening NC			3	min	ms	17
Min				max	ms	26
Max Mis 17 17 17 17 17 18 18 18			Opening NC			
Closing NO				min	ms	7
Closing NO				max	ms	17
Min		in DC				
Opening NO			Closing NO			
Opening NO				min	ms	
Min				max	ms	25
Closing NC			Opening NO			
Closing NC						
Min				max	ms	3
Opening NC max ms 5 Minin ms 11 min ms 17 UL technical data Contact rating of auxiliary contacts according to UL A600 - Q600 General USE Contactor AC current A 160 Ambient conditions Temperature min °C -40 -40 min °C -60 Storage temperature min °C -55 -55 max °C 70 Max altitude m 3000			Closing NC			•
Opening NC						
min ms 11 max ms 17			On aning NC	max	ms	5
Max ms 17			Opening NC	min	me	11
Contact rating of auxiliary contacts according to UL						
Contact rating of auxiliary contacts according to UL	III technical data			ınax	1113	1 /
Contactor AC current A 160		iary contacts according to	ı UI			A600 - Q600
Contactor AC current A 160 Ambient conditions Temperature Min °C -40 max °C 60 Storage temperature min °C -55 max °C 70 Max altitude m 3000		, comacto according to				4000
AC current A 160	20110101 002	Contactor				
Ambient conditions Temperature Operating temperature min °C -40 max °C 60 Storage temperature min °C -55 max °C 70 Max altitude m 3000		30		AC current	Α	160
Operating temperature	Ambient conditions					
Operating temperature min °C -40 max °C 60 Storage temperature min °C -55 max °C 70 Max altitude m 3000						
min °C -40 max °C 60 Storage temperature min °C -55 max °C 70 Max altitude m 3000	•	Operating temperature)			
Storage temperature min °C -55 max °C 70 Max altitude m 3000				min	°C	-40
Storage temperature min °C -55 max °C 70 Max altitude m 3000						
min °C -55 max °C 70 Max altitude m 3000		Storage temperature				
Max altitude m 3000		-		min		-55
				max	°C	70
Resistance & Protection	Max altitude				m	3000
	Resistance & Protecti	on				

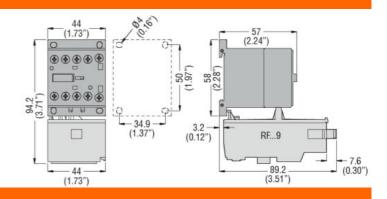


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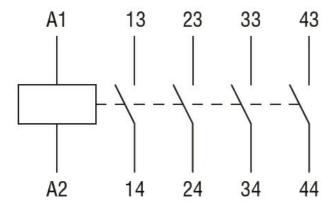
Pollution degree 3

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

cULus

EAC

ETIM 6 classification

EC000066 - Power contactor, AC switching