



Product designation				Auxiliary
Draduct 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	· .		IX V	
oporational frequency	,	min	Hz	25
		max	Hz	400
IEC Conventional free	e air thermal current Ith		Α	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
Max number of wires 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 mm²	1.5 2.5
Power terminal protect	ction according to IEC/EN 60529	max	1111111	IP20 when wired
Mechanical features	CHOIL ACCOLUTING TO LEC/EIN 00329			15-20 WHEH WHEO
Operating position				
operating position		normal		vertical plan
		allowable		±30°
		anowabic		Screw / DIN rail
Fixing				35mm
Weight			g	182
- 3			9	-



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Auxiliary contact characteristics			
Type of contact			2 NO + 2 NC
Thermal current Ith		Α	10
IEC/EN 60947-5-1 designation			A600 - Q600
Operating current AC15			
	230V	Α	3
	400V	Α	1.9
	500V	Α	1.4
Operating current DC12			
	110V	Α	2.9
Operating current DC13			
	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			22.2
Mechanical life		cycles	20000000
Safety related data		Cy 0.00	2000000
Performance level B10d according to EN/ISO 13489-1			
Tonomiano lovor Broa according to Envisor 16 100 1	mechanical load	cycles	20000000
Mirror contats according to IEC/EN 609474-4-1	mconamour load	Cyclos	true
EMC compatibility			Yes
AC coil operating			165
Parent AL VOITAGE AT SUMMENT SOLET			
Rated AC voltage at 50/60Hz, 60Hz	min	V	12
Rated AC voltage at 50/60Hz, 60Hz	min	V	12
	min max	V V	12 575
AC operating voltage			
AC operating voltage of 50/60Hz coil powered at 50Hz			
AC operating voltage	max	V	575
AC operating voltage of 50/60Hz coil powered at 50Hz	max	V %Us	75
AC operating voltage of 50/60Hz coil powered at 50Hz pick-up	max	V	575
AC operating voltage of 50/60Hz coil powered at 50Hz	max min max	V %Us %Us	75 115
AC operating voltage of 50/60Hz coil powered at 50Hz pick-up	max min max min	V %Us %Us %Us	75 115 20
AC operating voltage of 50/60Hz coil powered at 50Hz pick-up drop-out	max min max	V %Us %Us	75 115
AC operating voltage of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz	max min max min	V %Us %Us %Us	75 115 20
AC operating voltage of 50/60Hz coil powered at 50Hz pick-up drop-out	max min max min max	V %Us %Us %Us %Us	75 115 20 55
AC operating voltage of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz	min max min max	V %Us %Us %Us %Us %Us	75 115 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	max min max min max	V %Us %Us %Us %Us	75 115 20 55
AC operating voltage of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz	min max min max min max	%Us %Us %Us %Us %Us	575 75 115 20 55 80 115
AC operating voltage of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up	min max min max min max min max min min max	%Us %Us %Us %Us %Us %Us	575 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	min max min max min max	%Us %Us %Us %Us %Us	575 75 115 20 55 80 115
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 drop-out	min max min max min max min max min min max	%Us %Us %Us %Us %Us %Us	575 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	min max min max min max min max min max	%Us %Us %Us %Us %Us %Us %Us	575 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 drop-out	min max min max min max min max in-rush	%Us %Us %Us %Us %Us %Us %Us	575 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 AC operating voltage at 20°C of 50/60Hz coil powered at 50Hz	min max min max min max min max min max	%Us %Us %Us %Us %Us %Us %Us	575 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 drop-out	min max min max min max min max in-rush holding	%Us %Us %Us %Us %Us %Us %Us %Us	575 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 AC operating voltage at 20°C of 50/60Hz coil powered at 50Hz	min max min max min max min max in-rush holding in-rush	%Us %Us %Us %Us %Us %Us %Us %Us %Us	575 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 AC operating voltage at 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	575 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 AC operating voltage at 20°C of 50/60Hz coil powered at 50Hz	min max min max min max min max in-rush holding in-rush	%Us %Us %Us %Us %Us %Us %Us %Us %Us	575 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 AC operating voltage at 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 in-rush	%Us %Us %Us %Us %Us %Us %Us %Us %Us	575 75 115 20 55 80 115 20 55 30 4



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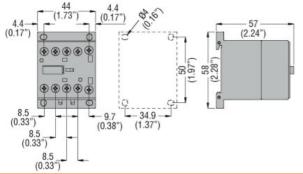
			holding	VA	4
Dissipation at holding	≤20°C 50Hz			W	0.95
DC coil operating					
DC rated control voltage	ge				
			min	V	6
			max	V	250
Average coil consump	tion ≤20°C				
			in-rush	W	3.2
			holding	W	3.2
Max cycles frequency					0000
Mechanical operations				cycles/h	3600
Operating times	- m t m a l				
Average time for Us co					
	in AC	Closing NO			
		Closing NO	min	ms	12
			max	ms	21
		Opening NO	IIIdX	1113	<u>- 1</u>
		Sporming 140	min	ms	9
			max	ms	18
		Closing NC			. •
		5.55g	min	ms	17
			max	ms	26
		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			0
			min	ms	3
		On oning NC	max	ms	5
		Opening NC	min	me	11
			max	ms ms	17
UL technical data			ınax	1113	
	ary contacts according to	UL			A600 - Q600
General USE	, I I I I I I I I I I I I I I I I I I	- -			
	Contactor				
			AC current	Α	160
Ambient conditions					
Temperature					
	Operating temperature				
	- ·		min	°C	-40
			max	°C	60
	Storage temperature				
			min	°C	-55
			max	°C	70
Max altitude				m	3000
Resistance & Protection	on				

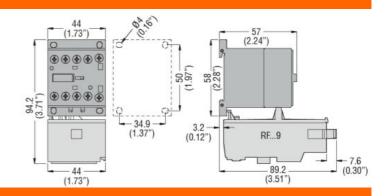


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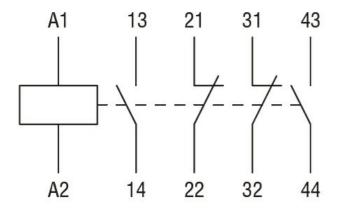
Pollution degree 3

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