



Droduct decignation				Auxiliary
Product designation		contactor		
Product type designation	ation			BF00
Contact characteristic	cs			
Number of poles			Nr.	4
Rated insulation volta	age Ui IEC/EN		V	690
Rated impulse withstand voltage Uimp			kV	6
Operational frequence	cy .			
		min	Hz	25
		max	Hz	400
IEC Conventional fre	e air thermal current Ith		Α	10
Operational current le				
•		AC-1 (≤55°C)	Α	0
Protection fuse		- (/		-
		gG (IEC)	Α	25
Tightening torque for	terminals	90 (.20)		
riginioning torque for		min	Nm	1.5
		max	Nm	1.8
		min	lbin	1.1
		max	lbin	1.5
Tightening torque for	coil terminal	тах	101	1.0
riginorning torquo for		min	Nm	0.8
		max	Nm	1
		min	lbin	0.8
		max	Ibin	0.74
Max number of wires	simultaneously connectable	тих	Nr.	2
Conductor section	Simultaneously connectable		1 11.	
Conductor Section	AWG/Kcmil			
	AWG/Remiii	max		10
	Flexible w/o lug conductor section	IIIdx		10
	LIEVINIE MAO INA COLIMICIOL SECTION	min	mm²	1
		max	mm²	6
	Flevible c/w lug conductor section	IIIdX	111111	U
	Flexible c/w lug conductor section	min	mm²	1
			mm²	4
	Flexible with insulated spade lug conductor section	max	111111	4
	Flexible with insulated space lug conductor section		mm²	1
		min	mm²	1
		max	mm²	4 IP20 whon
Power terminal protection according to IEC/EN 60529				IP20 when properly wired
Mechanical features				property wired
Operating position				Vartical plan
		normal		Vertical plan
		allowable		±30°



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Citation or				Screw / DIN rail
Fixing				35mm
Weight			g	362
Conductor section				
	AWG/kcmil conductor section			
		max		10
Auxiliary contact chara	acteristics			
Thermal current Ith			Α	10
IEC/EN 60947-5-1 de	•			A600 - P600
Operating current AC	15			
		230V	Α	3
		400V	Α	1.9
0 " 100	10	500V	Α	1.4
Operating current DC	12	440)/		
0 " (00	40	110V	Α	5.7
Operating current DC	13	0.41/		
		24V 48V	A	5.7
			A	2.9
		60V 110V	A A	2.3 1.25
		110V 125V	A	1.25
		220V	A	0.55
		600V	A	0.2
Operations		0001	, ,	0.2
Mechanical life			cycles	20000000
Safety related data			0,0.00	2000000
	0d according to EN/ISO 13489-1			
	ŭ	mechanical load	cycles	20000000
Mirror contats accordi	ing to IEC/EN 609474-4-1			YES
EMC compatibility				yes
AC coil operating				
Rated AC voltage at 5	:0/60H-			
	0/00HZ		V	48
AC operating voltage	00/00 112		V	48
AC operating voltage	of 50/60Hz coil powered at 50Hz		V	48
AC operating voltage			V	48
AC operating voltage	of 50/60Hz coil powered at 50Hz	min	V %Us	80
AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up	min max		
AC operating voltage	of 50/60Hz coil powered at 50Hz	max	%Us %Us	80 110
AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up	max min	%Us %Us %Us	80 110 20
AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up drop-out	max	%Us %Us	80 110
AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz	max min	%Us %Us %Us	80 110 20
AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up drop-out	max min max	%Us %Us %Us %Us	80 110 20 55
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	%Us %Us %Us %Us	80 110 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	%Us %Us %Us %Us	80 110 20 55
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 max	%Us %Us %Us %Us %Us	80 110 20 55 80 110
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 min max min	%Us %Us %Us %Us %Us	80 110 20 55 80 110
	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	80 110 20 55 80 110
AC operating voltage AC average coil const	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 min	%Us %Us %Us %Us %Us	80 110 20 55 80 110
	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 min max	%Us %Us %Us %Us %Us %Us %Us	80 110 20 55 80 110 20 55
	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 min max	%Us %Us %Us %Us %Us %Us %Us	80 110 20 55 80 110 20 55
	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	max min max min max min max min max	%Us %Us %Us %Us %Us %Us %Us	80 110 20 55 80 110 20 55
	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 min max	%Us %Us %Us %Us %Us %Us %Us	80 110 20 55 80 110 20 55

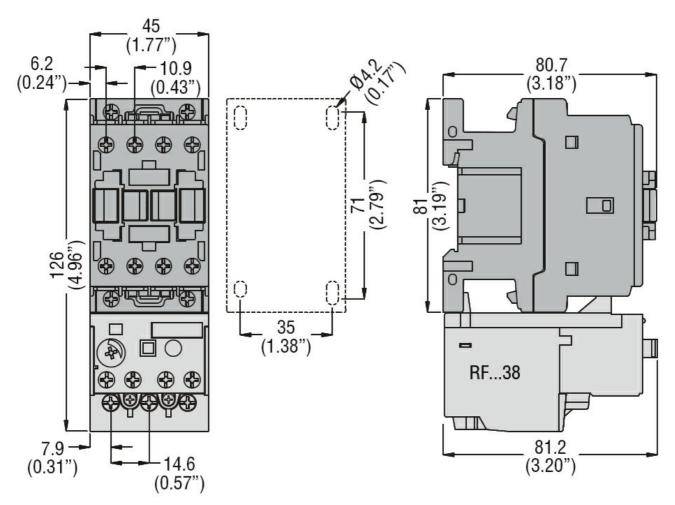


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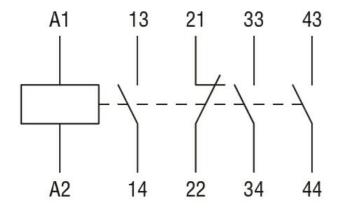
	of 60Hz coil powered a	nt 60Hz			
			in-rush	VA	75
			holding	VA	9
Dissipation at holding ≤	20°C 50Hz			W	2.5
Max cycles frequency					
Mechanical operation				cycles/h	3600
Operating times					
Average time for Us co	ntrol				
Ü	in AC				
		Closing NO			
		G	min	ms	8
			max	ms	24
		Opening NO			
		- 1 - 3 -	min	ms	10
			max	ms	20
		Closing NC			
		g	min	ms	14
			max	ms	28
		Opening NC			
		5 p 3 m 3 m 2	min	ms	7
			max	ms	18
UL technical data					
General USE					
00110101 002	Auxiliary contacts				
	raxilary contacto		AC current	Α	10
Contact rating of auxilia	ary contacts according to	UI	710 Garroni	, ,	A600 - P600
Ambient conditions	ary contacto according to	92			71000 1 000
Temperature					
remperature	Operating temperature				
	Operating temperature		min	°C	-50
			max	°C	70
	Storage temperature		Παλ		70
	Storage temperature		min	°C	-60
			max	°C	80
Max altitude			IIIax		3000
Resistance & Protectio	n -			m	3000
					3
Pollution degree Dimensions					J
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

CCC

cULus

EAC







ETIM classification

ETIM 8.0 EC000196 - Contactor relay