11BG0031L048

CONTROL RELAY WITH DC COIL LOW CONSUMPTION, 48VDC, 3NO AND 1NC



Contact characteristics			
Number of poles		Nr.	4
Rated insulation voltage Ui IEC/EN		V	690
Rated impulse withstand voltage Uimp		kV	6
Operational frequency			
	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith ≤ 40°C		A	10
Protection fuse			
	gG (IEC)	A	16
Tightening torque for terminals			
	min	Nm	0.8
	max	Nm	1
	min	lbin	9
	max	lbin	9
Tightening torque for coil terminal			
	min	Nm	0.8
	max	Nm	1
	min	lbin	9
	max	lbin	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			
	min	mm²	1.5
	max	mm²	2.5
Power terminal protection according to IEC/EN 60529			IP20 when properly wired
Mechanical features			
Operating position			
	normal		Vertical plan
	allowable		±30°
Fixing			Screw / DIN rail 35mm
Weight		g	203
Auxiliary contact characteristics			
Thermal current Ith		A	10
IEC/EN 60947-5-1 designation			A600 - Q600

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Operating current AC15						
				230V	A	3
				400V	A	1.9
				500V	A	1.4
Operating current DC12						
				110V	A	2.9
Operating current DC13						
				24V	A	2.9
				48V	A	1.4
				60V	A	1.2
				110V	A	0.6
				125V	A	0.55
				220V	A	0.3
				600V	A	0.1
Operations						
Mechanical life					cycles	20000000
Safety related data						
Performance level B10d according to EN/ISO 13489-1						
				mechanical load	cycles	20000000
EMC compatibility						yes
DC coil operating						
DC rated control voltage					V	48
DC operating voltage						
	pick-up					
				min	%Us	75
				max	%Us	115
	drop-out					
				min	%Us	10
				max	%Us	20
Average coil consumption ≤20°C						
				in-rush	W	2.3
				holding	W	2.3
Max cycles frequency						
Mechanical operation					cycles/h	3600
Operating times						
Average time for Us control						
	in AC					
		Closing NO				
				min	ms	12
				max	ms	21
		Opening NO				
				min	ms	9
				max	ms	18
		Closing NC				
				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				

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		min	ms	2
		max	ms	3
	Closing NC			
		min	ms	3
		max	ms	5
	Opening NC			
		min	ms	11
		max	ms	17

UL technical data

Rated operational voltage AC (UL)			V	600
General USE				
	Contactor			
		AC current	A	10
Contact rating of auxiliary contacts according to UL				A600 - Q600

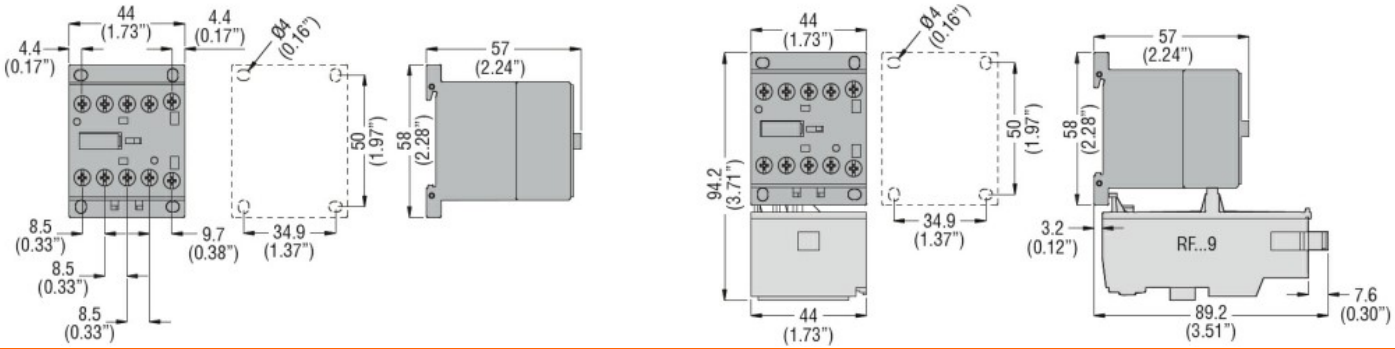
Ambient conditions

Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	+70
	Storage temperature			
		min	°C	-60
		max	°C	+80
Max altitude			m	3000

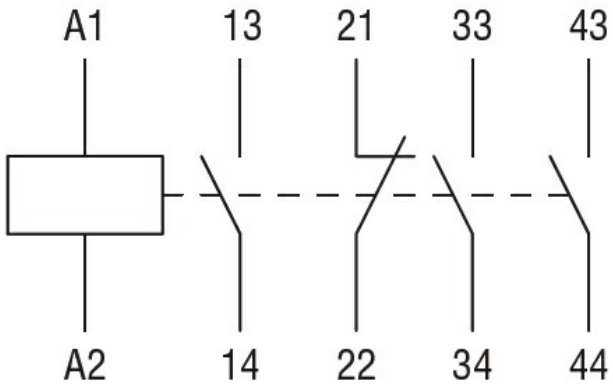
Resistance & Protection

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 60335-2-89			

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	IEC/EN 60947-1
	IEC/EN 60947-5-1
	UL 60947-1
	UL 60947-5-1

Certificates

	CCC
	CSA C22.2 n. 60335-2-40:22 LZGH A2L
	CSA C22.2 No. 60335-2-89:21 LZGH A2L
	cULus
	EAC
	UL 60335-2-40 LZGH A2L
	UL 60335-2-89 LZGH A2L

ETIM classification

ETIM 8.0	EC000196 - Contactor relay

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