



Product type designation	Product designation				Auxiliary contactor
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 4 IEC Conventional free air thermal current lth A 10 5 Short-time allowable current for 10s (IEC/EN60947-1) A 0 6 Protection fuse gG (IEC) A 16 6 Tightening torque for terminals min Nm 0.8 8 8 10 1	Product type designati	ion			
Rated insulation voltage Ui IEC/EN V 690 Rated impulse withstand voltage Uimp kV 6 Operational frequency min Hz 25 max Hz 400 400 IEC Conventional free air thermal current lth A 10 Short-time allowable current for 10s (IEC/EN60947-1) A 0 Protection fuse gG (IEC) A 16 Tightening torque for terminals min Nm 0.8 max Nm 1 1 min Nm 0.8 1 max Ibin 9 1 Tightening torque for coil terminal min Nm 0.8 max Nm 1 1 min Nm 0.8 1 max Ibin 9 1 Tightening torque for coil terminal min Nm 0.8 max Ibin 9 1 Max number of wires simultaneously connectable Nr. 2 <					
Rated insulation voltage Ui IEC/EN V 690 Rated impulse withstand voltage Uimp kV 6 Operational frequency min Hz 25 max Hz 400 400 IEC Conventional free air thermal current lth A 10 Short-time allowable current for 10s (IEC/EN60947-1) A 0 Protection fuse gG (IEC) A 16 Tightening torque for terminals min Nm 0.8 max Nm 1 1 min Nm 0.8 1 max Ibin 9 1 Tightening torque for coil terminal min Nm 0.8 max Nm 1 1 min Nm 0.8 1 max Ibin 9 1 Tightening torque for coil terminal min Nm 0.8 max Ibin 9 1 Max number of wires simultaneously connectable Nr. 2 <	Number of poles			Nr.	4
Min		ge Ui IEC/EN		V	690
Max Max				kV	6
EC Conventional free air thermal current Ith	Operational frequency				
EC Conventional free air thermal current Ith Short-time allowable current for 10s (IEC/EN60947-1)			min	Hz	25
Short-time allowable current for 10s (IEC/EN60947-1)			max	Hz	400
Protection fuse gG (IEC)	IEC Conventional free	air thermal current Ith		Α	10
Tightening torque for terminals	Short-time allowable of	current for 10s (IEC/EN60947-1)		Α	0
Tightening torque for terminals min	Protection fuse				_
Min			gG (IEC)	Α	16
Max Nm 1 1 9 9 1 1 1 1 1 1	Tightening torque for to	erminals			_
Min Ibin 9 9			min	Nm	0.8
Tightening torque for coil terminal			max	Nm	1
Tightening torque for coil terminal			min	lbin	9
Max Nm 1 Nm 0.8 max Nm 1 Nm 1 Nm 1 Nm 1 Nm Nm			max	lbin	9
Max number of wires simultaneously connectable Max number of wires simultaneously connectable Nr. 2	Tightening torque for o	coil terminal			
Max number of wires simultaneously connectable Nr. 2			min	Nm	0.8
max lbin 9 Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil Flexible w/o lug conductor section max mm² 12 Flexible w/o lug conductor section min mm² mm² 0.75 max mm² Flexible c/w lug conductor section min mm² mm² 1.5 max mm² Flexible with insulated spade lug conductor section min mm² mm² 1.5 max mm² Power terminal protection according to IEC/EN 60529 IP20 when properly wired Mechanical features Normal allowable Vertical plan ±30° Fixing Screw / DIN rail 35mm			max	Nm	
Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil max 12 Flexible w/o lug conductor section min mm² mm² 0.75 max mm² 2.5 Flexible c/w lug conductor section min mm² mm² 1.5 max mm² 2.5 Flexible with insulated spade lug conductor section min mm² mm² 1.5 max mm² 2.5 Power terminal protection according to IEC/EN 60529 IP20 when properly wired Mechanical features Operating position Fixing Screw / DIN rail 35mm			min		
AWG/Kcmil max 12			max		
AWG/Kcmil max 12		simultaneously connectable		Nr.	2
Max	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 max mm² 2.5 Flexible with insulated spade 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 Mechanical features Operating position normal allowable ±30° Fixing Screw / DIN rail 35mm		AWG/Kcmil			
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 Flexible with insulated spade lug conductor section min mm² 1.5 max mm² 2.5 Power terminal protection according to IEC/EN 60529 Mechanical features Operating position normal vertical plan allowable ±30° Fixing Fixing Screw / DIN rail 35mm			max		12
Fixing Max mm² 2.5 Flexible c/w lug conductor section min mm² 1.5 max mm² 2.5		Flexible w/o lug conductor section			0.75
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 Flexible with insulated spade lug conductor section min mm² 1.5 max mm² 2.5 Power terminal protection according to IEC/EN 60529 Mechanical features Operating position normal vertical plan allowable ±30° Fixing Fixing Fixing					
min mm² 1.5 max mm² 2.5 Flexible with insulated spade lug conductor section min mm² 1.5 max mm² 1.5 max mm² 2.5 Power terminal protection according to IEC/EN 60529 Power terminal protection according to IEC/EN 60529 Mechanical features Operating position normal vertical plan allowable ±30° Fixing Screw / DIN rail 35mm		Florible abulus conductor costics	max	mm-	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 Mechanical features Operating position normal vertical plan allowable ±30° Fixing Screw / DIN rail 35mm		Flexible c/w lug conductor section	min	na na 2	1 E
Flexible with insulated spade lug conductor section min mm² 1.5 max mm² 2.5 Power terminal protection according to IEC/EN 60529 Mechanical features Operating position normal allowable ±30° Fixing Fixing Fixing					
min mm² 1.5 max mm² 2.5 Power terminal protection according to IEC/EN 60529 Mechanical features Operating position normal vertical plan allowable ±30° Fixing Screw / DIN rail 35mm		Flevible with insulated spade lug conductor section	Пах	111111	2.5
Power terminal protection according to IEC/EN 60529 Mechanical features Operating position normal vertical plan allowable Fixing Screw / DIN rail 35mm		r lexible with insulated space lug conductor section	min	mm²	1 5
Power terminal protection according to IEC/EN 60529 Mechanical features Operating position normal Vertical plan allowable ±30° Fixing Screw / DIN rail 35mm					
Mechanical features Operating position normal Vertical plan allowable ±30° Fixing Fixing Screw / DIN rail 35mm			max		
Mechanical features Operating position normal Vertical plan allowable ±30° Fixing Screw / DIN rail 35mm	Power terminal protec	tion according to IEC/EN 60529			
Operating position normal Vertical plan allowable ±30° Fixing Screw / DIN rail 35mm	Mechanical features				рторону што
normal Vertical plan allowable ±30° Fixing Screw / DIN rail 35mm					
Fixing Screw / DIN rail 35mm			normal		Vertical plan
Fixing Screw / DIN rail 35mm					
35mm	Fiving				Screw / DIN rail
Weight g 178					35mm
	Weight			g	178

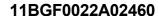


CONTROL RELAY WITH AC COIL 60HZ, 24VAC, 2NO AND 2NC, FASTON TERMINALS

Conductor section				
	AWG/kcmil conductor section			4.0
Auxiliary contact chara	vetorieties	max		12
Thermal current Ith	acteristics		Α	10
IEC/EN 60947-5-1 de	signation			A600 - Q600
Operating current AC1	~			7.000 4000
aparamig amarani		230V	Α	3
		400V	Α	1.9
		500V	Α	1.4
Operating current DC1	12			
		110V	Α	2.9
Operating current DC1	13			
		24V	Α	2.9
		48V	Α	1.4
		60V	Α	1.1
		125V	Α	0.3
		220V	Α	0.1
		600V	Α	0.6
Operations				
Mechanical life			cycles	20000000
Safety related data				
Performance level B1	0d according to EN/ISO 13489-1			
		mechanical load	cycles	20000000
Mirror contats accordi	ng to IEC/EN 609474-4-1			YES
EMC compatibility				yes
				yes
AC coil operating				
Rated AC voltage at 6	0Hz		V	24
			V	
Rated AC voltage at 6	of 60Hz coil powered at 60Hz		V	
Rated AC voltage at 6				24
Rated AC voltage at 6	of 60Hz coil powered at 60Hz	min	%Us	75
Rated AC voltage at 6	of 60Hz coil powered at 60Hz pick-up	min max		24
Rated AC voltage at 6	of 60Hz coil powered at 60Hz	max	%Us %Us	75 115
Rated AC voltage at 6	of 60Hz coil powered at 60Hz pick-up	max min	%Us %Us %Us	75 115 20
Rated AC voltage at 6 AC operating voltage	of 60Hz coil powered at 60Hz pick-up drop-out	max	%Us %Us	75 115
Rated AC voltage at 6	of 60Hz coil powered at 60Hz pick-up drop-out umption at 20°C	max min	%Us %Us %Us	75 115 20
Rated AC voltage at 6 AC operating voltage	of 60Hz coil powered at 60Hz pick-up drop-out	max min max	%Us %Us %Us %Us	75 115 20 55
Rated AC voltage at 6 AC operating voltage	of 60Hz coil powered at 60Hz pick-up drop-out umption at 20°C	max min max in-rush	%Us %Us %Us %Us	75 115 20 55
Rated AC voltage at 6 AC operating voltage	of 60Hz coil powered at 60Hz pick-up drop-out umption at 20°C of 50/60Hz coil powered at 50Hz	max min max	%Us %Us %Us %Us	75 115 20 55
Rated AC voltage at 6 AC operating voltage	of 60Hz coil powered at 60Hz pick-up drop-out umption at 20°C	max min max in-rush holding	%Us %Us %Us %Us VA	75 115 20 55 30 4
Rated AC voltage at 6 AC operating voltage	of 60Hz coil powered at 60Hz pick-up drop-out umption at 20°C of 50/60Hz coil powered at 50Hz	max min max in-rush holding in-rush	%Us %Us %Us %Us VA	75 115 20 55 30 4
Rated AC voltage at 6 AC operating voltage	of 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 in-rush holding	%Us %Us %Us %Us VA	75 115 20 55 30 4
Rated AC voltage at 6 AC operating voltage	of 60Hz coil powered at 60Hz pick-up drop-out umption at 20°C of 50/60Hz coil powered at 50Hz	max min max in-rush holding in-rush holding	%Us %Us %Us %Us VA VA	24 75 115 20 55 30 4 25 3
Rated AC voltage at 6 AC operating voltage	of 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 in-rush holding in-rush holding in-rush	%Us %Us %Us %Us VA VA VA	75 115 20 55 30 4 25 3
Rated AC voltage at 6 AC operating voltage AC average coil consu	of 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 of 60Hz coil powered at 60Hz	max min max in-rush holding in-rush holding	%Us %Us %Us %Us VA VA VA	24 75 115 20 55 30 4 25 3 30 4
Rated AC voltage at 6 AC operating voltage AC average coil consultation Dissipation at holding	of 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 of 60Hz coil powered at 60Hz	max min max in-rush holding in-rush holding in-rush	%Us %Us %Us %Us VA VA VA	75 115 20 55 30 4 25 3
Rated AC voltage at 6 AC operating voltage AC average coil consultation Dissipation at holding Max cycles frequency	of 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 of 60Hz coil powered at 60Hz	max min max in-rush holding in-rush holding in-rush	%Us %Us %Us %Us VA VA VA VA	75 115 20 55 30 4 25 3 30 4 0.95
Rated AC voltage at 6 AC operating voltage AC average coil consultation Dissipation at holding Max cycles frequency Mechanical operation	of 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 of 60Hz coil powered at 60Hz	max min max in-rush holding in-rush holding in-rush	%Us %Us %Us %Us VA VA VA	75 115 20 55 30 4 25 3 30 4 0.95
Rated AC voltage at 6 AC operating voltage AC average coil consultation Dissipation at holding Max cycles frequency	of 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 of 60Hz coil powered at 60Hz ≤20°C 50Hz	max min max in-rush holding in-rush holding in-rush	%Us %Us %Us %Us VA VA VA VA	75 115 20 55 30 4 25 3 30 4 0.95

Closing NO

in AC



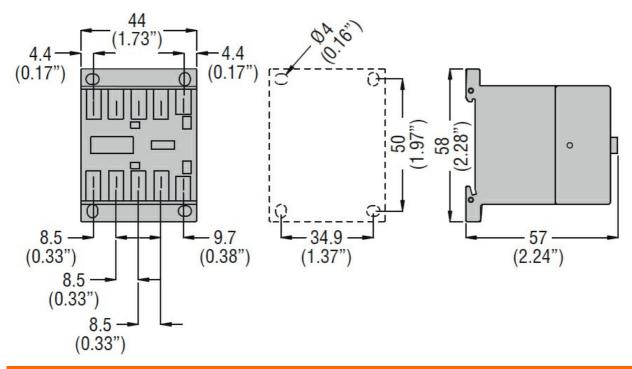


CONTROL RELAY WITH AC COIL 60HZ, 24VAC, 2NO AND 2NC, FASTON TERMINALS

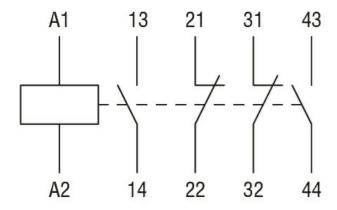
			min	mc	12
				ms	
		0 1 NO	max	ms	21
		Opening NO			•
			min	ms	9
			max	ms	18
		Closing NC			
			min	ms	17
			max	ms	26
		Opening NC			
			min	ms	7
			max	ms	17
	in DC				
	2 0	Closing NO			
		Clocking 110	min	ms	18
			max	ms	25
		Opening NO	IIIax	1115	23
		Opening NO			0
			min	ms	2
			max	ms	3
		Closing NC			
			min	ms	3
			max	ms	5
		Opening NC			
			min	ms	11
			max	ms	17
UL technical data					
General USE					
	Contactor				
			AC current	Α	10
Contact rating of auxilia	ary contacts according to	LII	7 to carron		A600 - Q600
Ambient conditions	ary cornacts according to	OL .			71000 0000
Temperature	0 " '				
	Operating temperature			0.0	
			min	°C	-50
			max	°C	+70
	Storage temperature				
			min	°C	-60
			max	°C	+80
Max altitude				m	3000
Resistance & Protection	on				
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

CCC

cULus

EAC

ETIM classification

ETIM 8.0

EC000196 -Contactor relay