



Product type designation	Product designation				Auxiliary contactor
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 Hz 400 IEC Conventional free air thermal current Ith A 10	Product type designat	ion			
Rated insulation voltage U i IEC/EN					
Rated insulation voltage U i IEC/EN	Number of poles			Nr.	4
Name		ge Ui IEC/EN		V	690
Min				kV	6
EC Conventional free air thermal current Ith	Operational frequency				
EC Conventional free air thermal current Ith			min	Hz	25
Protection fuse			max	Hz	400
Tightening torque for terminals	IEC Conventional free	air thermal current Ith		Α	10
Tightening torque for terminals	Protection fuse				
Max Nm 1 Nm Nm 1 Nm Nm 1 Nm Nm			gG (IEC)	Α	16
Max Nm 1 Nm Nm	Tightening torque for t	erminals			
Tightening torque for coil terminal			min	Nm	0.8
Tightening torque for coil terminal			max	Nm	1
Tightening torque for coil terminal			min	lbin	9
Min Nm 0.8 max Nm 1 min lbin 9 max lbin lbin 9 max lbin 9 max lbin l			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 Conductor section AWG/Kcmil max 12 Flexible w/o lug conductor section min mm² mm² mm² 2.5 0.75 max mm² 2.5 Flexible c/w lug conductor section min mm² mm² 1.5 max mm² 2.5 1.5 max mm² 2.5 Flexible with insulated spade lug conductor section min mm² mm² 2.5 1.5 max mm² 2.5 Power terminal protection according to IEC/EN 60529 IP20 when properly wired properly wired more properly wired properly wired allowable Vertical plan ±30° Fixing Screw / DIN rail 35mm			min	Nm	0.8
Max number of wires simultaneously connectable Mr. 2 Conductor section AWG/Kcmil max 12 Flexible w/o lug conductor section min mm² mm² on mm²			max	Nm	1
Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil max 12 Flexible w/o lug conductor section min mm² mm² 2.5 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 normal allowable 430° Vertical plan 430° Fixing Screw / DIN rail 35mm			min	Ibin	9
AWG/Kcmil			max	lbin	9
AWG/Kcmil max 12	Max number of wires	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 normal allowable ±30° Fixing Fixing		AWG/Kcmil			
Min min mm² 0.75 max mm² 2.5			max		12
Fixing		Flexible w/o lug conductor section			
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° Screw / DIN rail 35mm			min	mm²	0.75
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 Power terminal protection according to IEC/EN 60529 Mechanical features Operating position normal allowable ±30° Fixing Screw / DIN rail 35mm			max	mm²	2.5
Flexible with insulated spade lug conductor section min mm² 1.5 max mm² 2.5		Flexible c/w lug conductor section			
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			min	mm²	
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 Time min mm² 1.5 IP20 when properly wired Vertical plan ±30° Screw / DIN rail 35mm			max	mm²	2.5
Power terminal protection according to IEC/EN 60529 Mechanical features Operating position normal allowable ±30° Fixing max mm² 2.5 IP20 when properly wired Vertical plan ±30° Screw / DIN rail 35mm		Flexible with insulated spade lug conductor section			
Power terminal protection according to IEC/EN 60529 Mechanical features Operating position normal Vertical plan ±30° Fixing Screw / DIN rail 35mm			min		
Power terminal protection according to IEC/EN 60529 Mechanical features Operating position normal Vertical plan allowable ±30° Fixing Screw / DIN rail 35mm			max	mm²	
Mechanical features Operating position normal Vertical plan allowable ±30° Fixing Screw / DIN rail 35mm	Power terminal protection according to IEC/EN 60529				
Operating position normal Vertical plan allowable ±30° Fixing Screw / DIN rail 35mm					properly wired
normal Vertical plan allowable ±30° Fixing Screw / DIN rail 35mm					
Fixing allowable ±30° Screw / DIN rail 35mm	Operating position		_		
Fixing Screw / DIN rail 35mm					
Fixing 35mm			allowable		
33011111	Fixing				
weight g 220					
	vveignt			g	220



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Conductor section					
	AWG/kcmil conduct	or section			
A	ata dati a		max		12
Auxiliary contact characterial Current Ith	cteristics			۸	10
	ignation			Α	10 A600 - Q600
IEC/EN 60947-5-1 des Operating current AC1					A600 - Q600
Operating current ACT	5		230V	Α	3
			400V	A	1.9
			500V	A	1.4
Operating current DC1	2		300 V		1.7
oporating ourront 201	_		110V	Α	2.9
Operating current DC1	3		1101	- / (2.0
oporating ourront 201	O		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					
Performance level B10	d according to EN/IS	O 13489-1			
			mechanical load	cycles	20000000
Mirror contats according	ng to IEC/EN 609474-	4-1			YES
EMC compatibility					
=ino companionity					yes
DC coil operating					yes
DC coil operating DC rated control voltage	ge			V	110
DC coil operating	je			V	
DC coil operating DC rated control voltage	ge pick-up				110
DC coil operating DC rated control voltage			min	%Us	110 75
DC coil operating DC rated control voltage	pick-up		min max		110
DC coil operating DC rated control voltage			max	%Us %Us	110 75 115
DC coil operating DC rated control voltage	pick-up		max min	%Us %Us %Us	110 75 115
DC coil operating DC rated control voltag DC operating voltage	pick-up drop-out		max	%Us %Us	110 75 115
DC coil operating DC rated control voltage	pick-up drop-out		max min max	%Us %Us %Us %Us	75 115 10 20
DC coil operating DC rated control voltag DC operating voltage	pick-up drop-out		max min max in-rush	%Us %Us %Us %Us %Us	110 75 115 10 20
DC coil operating DC rated control voltage DC operating voltage Average coil consumpt	pick-up drop-out		max min max	%Us %Us %Us %Us	75 115 10 20
DC coil operating DC rated control voltage DC operating voltage Average coil consumpt Max cycles frequency	pick-up drop-out		max min max in-rush	%Us %Us %Us %Us W W	110 75 115 10 20 3.2 3.2
DC coil operating DC rated control voltage DC operating voltage Average coil consumpt Max cycles frequency Mechanical operation	pick-up drop-out		max min max in-rush	%Us %Us %Us %Us %Us	110 75 115 10 20 3.2 3.2
DC coil operating DC rated control voltage DC operating voltage Average coil consumpt Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C		max min max in-rush	%Us %Us %Us %Us W W	110 75 115 10 20 3.2 3.2
DC coil operating DC rated control voltage DC operating voltage Average coil consumpt Max cycles frequency Mechanical operation	pick-up drop-out tion ≤20°C		max min max in-rush	%Us %Us %Us %Us W W	110 75 115 10 20 3.2 3.2
DC coil operating DC rated control voltage DC operating voltage Average coil consumpt Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C	Closing NO	max min max in-rush	%Us %Us %Us %Us W W	110 75 115 10 20 3.2 3.2
DC coil operating DC rated control voltage DC operating voltage Average coil consumpt Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C	Closing NO	max min max in-rush holding	%Us %Us %Us %Us W W	110 75 115 10 20 3.2 3.2 3600
DC coil operating DC rated control voltage DC operating voltage Average coil consumpt Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C	Closing NO	max min max in-rush holding	%Us %Us %Us %Us W W	110 75 115 10 20 3.2 3.2 3600
DC coil operating DC rated control voltage DC operating voltage Average coil consumpt Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C	-	max min max in-rush holding	%Us %Us %Us %Us W W	110 75 115 10 20 3.2 3.2 3600
DC coil operating DC rated control voltage DC operating voltage Average coil consumpt Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C	Closing NO Opening NO	max min max in-rush holding min max	%Us %Us %Us %Us W W cycles/h	110 75 115 10 20 3.2 3.2 3600
DC coil operating DC rated control voltage DC operating voltage Average coil consumpt Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C	-	min max in-rush holding min max min max	%Us %Us %Us %Us W W cycles/h	110 75 115 10 20 3.2 3.2 3600
DC coil operating DC rated control voltage DC operating voltage Average coil consumpt Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C	Opening NO	max min max in-rush holding min max	%Us %Us %Us %Us W W cycles/h	110 75 115 10 20 3.2 3.2 3600
DC coil operating DC rated control voltage DC operating voltage Average coil consumpt Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C	-	max min max in-rush holding min max min max	%Us %Us %Us %Us W W cycles/h	110 75 115 10 20 3.2 3.2 3600
DC coil operating DC rated control voltage DC operating voltage Average coil consumpt Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C	Opening NO	min max in-rush holding min max min max	%Us %Us %Us %Us W W cycles/h	110 75 115 10 20 3.2 3.2 3600



Opening NC

	9			
		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			
		min	ms	3
		max	ms	5
	Opening NC			
		min	ms	11
		max	ms	17

AC current

10

3

Α

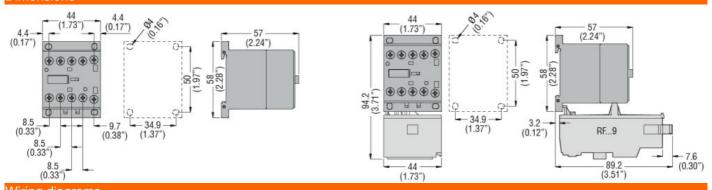
UL technical data

General USE

Contactor

Contact rating of auxiliary contacts according to UL			A600 - Q600
Ambient conditions			
Temperature			
Operating temperature			
	min	°C	-50
- <u>-</u>	max	°C	+70
Storage temperature			
	min	°C	-60
	max	°C	+80
Max altitude		m	3000
Resistance & Protection			

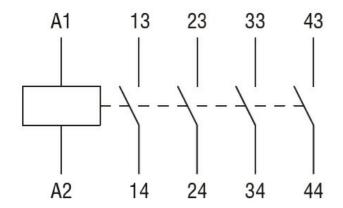
Pollution degree **Dimensions**



Wiring diagrams



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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 classification

ETIM 8.0

EC000196 -Contactor relay