



Product type designation	Product designation				Auxiliary contactor
Contact characteristics Number of poles Nr. 4 Rated insulation voltage Uir IEC/EN V 690 Rated insulation voltage Uirip kV 6 Operational frequency min Hz 25 max Hz 400 LEC Conventional free air thermal current lth A 10 IEC Conventional free air thermal current lth A 10 10 Protection fuse gG (IEC) A 16 Tightening torque for terminals min Nm 0.8 max Nm 1 1 Tightening torque for coil terminal min Nm 0.8 max Nm 1 1 Tightening torque for coil terminal min Nm 0.8 max Nm 1 1 Tightening torque for coil terminal min Nm 0.8 max Nm 1 1 1 Tightening torque for coil terminal min Nm 0.8 1 <t< td=""><td>Product type designat</td><td>ion</td><td></td><td></td><td></td></t<>	Product type designat	ion			
Rated insulation voltage Ui IEC/EN					
Rated insulation voltage Ui IEC/EN	Number of poles			Nr.	4
Rated impulse withstand voltage Uimp		ge Ui IEC/EN			690
Operational frequency min max Hz may 1 may				kV	6
Min		•			
EC Conventional free air thermal current lth	, ,		min	Hz	25
Protection fuse gG (IEC)					
Tightening torque for terminals	IEC Conventional free	air thermal current Ith		Α	10
Tightening torque for terminals	Protection fuse				
Tightening torque for terminals			gG (IEC)	Α	16
Min Min	Tightening torque for t	erminals	<u> </u>		
Min Bin 9 9			min	Nm	0.8
Tightening torque for coil terminal					
Tightening torque for coil terminal			min	lbin	9
Min Nm 0.8 max Nm 1 min lbin 9 max lbin 12 max lbin max lbin max lbin max lbin max lbin l			max	lbin	9
Min Nm 0.8 max Nm 1 min lbin 9 max lbin 12 max lbin max lbin max lbin max lbin max lbin l	Tightening torque for o	coil terminal			
Max number of wires simultaneously connectable min max lbin lbin lbin lbin lbin lbin lbin lbin			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 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 Flexible with insulated spade lug conductor section min mm² 2.5 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	1
Max number of wires simultaneously connectable Nr. 2 Conductor section 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 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 Mechanical features normal allowable signer Vertical plan signer Operating position Screw / DIN rail 35mm			min	lbin	9
AWG/Kcmil			max	lbin	9
AWG/Kcmil max 12	Max number of wires		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 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 Fixing Fixing		AWG/Kcmil			
Min min mm²			max		12
Flexible c/w 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 Power terminal protection according to IEC/EN 60529 Mechanical features Operating position Fixing Screw / DIN rail 35mm		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 normal allowable ±30° Fixing Fixing			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 Mechanical features Operating position Power terminal protection according to IEC/EN 60529 Mechanical features Operating position Fixing Min mm² 1.5 max mm² 2.5 IP20 when properly wired Normal allowable ±30° 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° Screw / DIN rail 35mm			min	mm²	1.5
Power terminal protection according to IEC/EN 60529 Mechanical features Operating position normal allowable ±30° Fixing Time mm² 1.5 2.5 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 allowable ±30° Fixing Screw / DIN rail 35mm			min		
Mechanical features Operating position normal Vertical plan allowable ±30° Fixing Fixing			max	mm²	
Mechanical features Operating position normal Vertical plan allowable ±30° Fixing Screw / DIN rail 35mm	Power terminal protect				
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				M. C. J.
Fixing Screw / DIN rail 35mm					
Fixing 35mm			allowable		
	Fixing				
vveignt g 176	Majaht				
	vveigni			g	170



Conductor section

Conductor Section	AVAIC //compile on advertor on ation			
	AWG/kcmil conductor section	****		40
A !!! a m a a a ta a ta a la a ma		max		12
Auxiliary contact charac	cteristics		•	4.0
Thermal current Ith			Α	10
IEC/EN 60947-5-1 des				A600 - Q600
Operating current AC1	5			
		230V	Α	3
		400V	Α	1.9
		500V	Α	1.4
Operating current DC1	2			
		110V	Α	2.9
Operating current DC1	3			
oporaning carroin 201		24V	Α	2.9
		48V	A	1.4
		60V	A	1.2
		110V	A	0.6
		125V		0.55
			A	
		220V	A	0.3
0 "		600V	Α	0.1
Operations				
Mechanical life			cycles	20000000
Safety related data				
Performance level B10	d according to EN/ISO 13489-1			
		mechanical load	cycles	20000000
Mirror contats according	g to IEC/EN 609474-4-1			YES
EMC compatibility				yes
				y 00
AC coil operating				you
)/60Hz		V	48
AC coil operating Rated AC voltage at 50	0/60Hz		V	
AC coil operating			V	
AC coil operating Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz		V	
AC coil operating Rated AC voltage at 50		min		48
AC coil operating Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz	min	%Us	75
AC coil operating Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz pick-up	min max		48
AC coil operating Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz	max	%Us %Us	75 115
AC coil operating Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz pick-up	max min	%Us %Us %Us	75 115 20
AC coil operating Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz pick-up drop-out	max	%Us %Us	75 115
AC coil operating Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz	max min	%Us %Us %Us	75 115 20
AC coil operating Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz pick-up drop-out	max min max	%Us %Us %Us %Us	75 115 20 55
AC coil operating Rated AC voltage at 50	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	75 115 20 55
AC coil operating Rated AC voltage at 50	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	75 115 20 55
AC coil operating Rated AC voltage at 50	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	75 115 20 55 80 115
AC coil operating Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up	max min max min	%Us %Us %Us %Us %Us	75 115 20 55 80 115 20
AC coil operating Rated AC voltage at 50 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	max min max min max	%Us %Us %Us %Us %Us	75 115 20 55 80 115
AC coil operating Rated AC voltage at 50	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	%Us %Us %Us %Us %Us	75 115 20 55 80 115 20
AC coil operating Rated AC voltage at 50 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	max min max min max min max	%Us %Us %Us %Us %Us %Us %Us	75 115 20 55 80 115 20 55
AC coil operating Rated AC voltage at 50 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	max min max min max min max	%Us %Us %Us %Us %Us	75 115 20 55 80 115 20
AC coil operating Rated AC voltage at 50 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	max min max min max min max	%Us %Us %Us %Us %Us %Us %Us	75 115 20 55 80 115 20 55
AC coil operating Rated AC voltage at 50 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	max min max min max min max in-rush	%Us %Us %Us %Us %Us %Us %Us	75 115 20 55 80 115 20 55
AC coil operating Rated AC voltage at 50 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 mption at 20°C of 50/60Hz coil powered at 50Hz	max min max min max min max in-rush	%Us %Us %Us %Us %Us %Us %Us	75 115 20 55 80 115 20 55
AC coil operating Rated AC voltage at 50 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 mption at 20°C of 50/60Hz coil powered at 50Hz	max min max min max min max in-rush holding in-rush	%Us %Us %Us %Us %Us %Us %Us VA VA	75 115 20 55 80 115 20 55
AC coil operating Rated AC voltage at 50 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 mption at 20°C of 50/60Hz coil powered at 50Hz of 50/60Hz coil powered at 60Hz	max min max min max min max in-rush holding	%Us %Us %Us %Us %Us %Us %Us	75 115 20 55 80 115 20 55
AC coil operating Rated AC voltage at 50 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 mption at 20°C of 50/60Hz coil powered at 50Hz	max min max min max min max in-rush holding in-rush	%Us %Us %Us %Us %Us %Us %Us VA VA	75 115 20 55 80 115 20 55

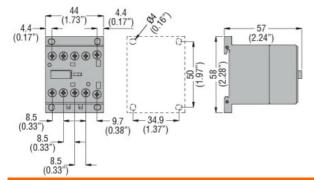


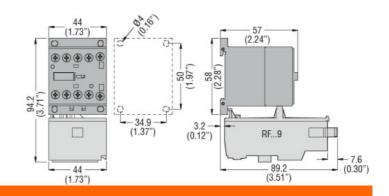
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			holding	VA	4
Dissipation at holding	≤20°C 50Hz			W	0.95
Max cycles frequency					
Mechanical operation				cycles/h	3600
Operating times					
Average time for Us of	ontrol				
	in AC				
		Closing NO			
			min	ms	12
			max	ms	21
		Opening NO			
			min	ms	9
			max	ms	18
		Closing NC			
			min	ms	17
		0	max	ms	26
		Opening NC			7
			min	ms	7
	· DO		max	ms	17
	in DC	Olaska NO			
		Closing NO			4.0
			min	ms	18
		Opening NO	max	ms	25
		Opening NO	min	me	2
			max	ms ms	3
		Closing NC	Παλ	1113	3
		Closing NO	min	ms	3
			max	ms	5
		Opening NC	max	1113	3
		Oponing 110	min	ms	11
			max	ms	17
UL technical data					
General USE					
	Contactor				
			AC current	Α	10
Contact rating of auxil	iary contacts according t	o UL			A600 - Q600
Ambient conditions					
Temperature					
	Operating temperature	е			
	•		min	°C	-50
			max	°C	+70
	Storage temperature				
			min	°C	-60
			max	°C	+80
Max altitude				m	3000
Resistance & Protecti	on				
Pollution degree					3
Dimensions					

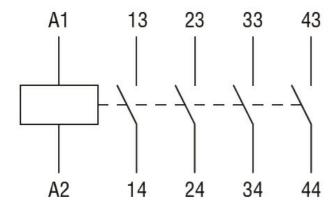


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Wiring diagrams



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