



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	lbin	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 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		
33011111	Fixing				
weight g 1//					
	vveignt			g	1//



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Conductor section				_
	AWG/kcmil conductor section			
		max		12
Auxiliary contact charac	teristics			
Thermal current Ith			Α	10
IEC/EN 60947-5-1 desi	gnation			A600 - Q600
Operating current AC15				
		230V	Α	3
		400V	Α	1.9
		500V	Α	1.4
Operating current DC12				_
		110V	Α	2.9
Operating current DC13	}			
		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				
-	d according to EN/ISO 13489-1			
	· ·	mechanical load	cycles	20000000
Mirror contats according	to IEC/EN 609474-4-1			YES
	,			
EIVIC COMPANDING				ves
EMC compatibility AC coil operating				yes
AC coil operating	Hz		V	yes 48
AC coil operating Rated AC voltage at 60l	Hz		V	
AC coil operating			V	
AC coil operating Rated AC voltage at 60l	of 60Hz coil powered at 60Hz		V	
AC coil operating Rated AC voltage at 60l		min	V %Us	
AC coil operating Rated AC voltage at 60l	of 60Hz coil powered at 60Hz		%Us	75
AC coil operating Rated AC voltage at 60l	of 60Hz coil powered at 60Hz pick-up	min max		48
AC coil operating Rated AC voltage at 60l	of 60Hz coil powered at 60Hz		%Us %Us	75 115
AC coil operating Rated AC voltage at 60l	of 60Hz coil powered at 60Hz pick-up	max	%Us	75
AC coil operating Rated AC voltage at 60l AC operating voltage	of 60Hz coil powered at 60Hz pick-up drop-out	max min	%Us %Us %Us	75 115 20
AC coil operating Rated AC voltage at 60l	of 60Hz coil powered at 60Hz pick-up drop-out	max min	%Us %Us %Us	75 115 20
AC coil operating Rated AC voltage at 60l AC operating voltage	of 60Hz coil powered at 60Hz pick-up drop-out	max min	%Us %Us %Us	75 115 20 55
AC coil operating Rated AC voltage at 60l AC operating voltage	of 60Hz coil powered at 60Hz pick-up drop-out	max min max	%Us %Us %Us %Us	75 115 20
AC coil operating Rated AC voltage at 60l AC operating voltage AC average coil consum	of 60Hz coil powered at 60Hz pick-up drop-out	max min max in-rush	%Us %Us %Us %Us	75 115 20 55
AC coil operating Rated AC voltage at 60l AC operating voltage AC average coil consum	of 60Hz coil powered at 60Hz pick-up drop-out nption at 20°C of 50/60Hz coil powered at 50Hz	max min max in-rush	%Us %Us %Us %Us	75 115 20 55
AC coil operating Rated AC voltage at 60l AC operating voltage AC average coil consum	of 60Hz coil powered at 60Hz pick-up drop-out nption 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
AC coil operating Rated AC voltage at 60l AC operating voltage AC average coil consum	of 60Hz coil powered at 60Hz pick-up drop-out nption at 20°C of 50/60Hz coil powered at 50Hz	max min max in-rush holding	%Us %Us %Us %Us VA	48 75 115 20 55 30 4
AC coil operating Rated AC voltage at 60l AC operating voltage AC average coil consum	of 60Hz coil powered at 60Hz pick-up drop-out nption 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	%Us %Us %Us %Us VA	48 75 115 20 55 30 4
AC coil operating Rated AC voltage at 60l AC operating voltage AC average coil consum	of 60Hz coil powered at 60Hz pick-up drop-out nption 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	75 115 20 55 30 4 25 3
AC coil operating Rated AC voltage at 60l AC operating voltage AC average coil consum	of 60Hz coil powered at 60Hz pick-up drop-out nption 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	75 115 20 55 30 4 25 3 30 4
AC coil operating Rated AC voltage at 600 AC operating voltage AC average coil consum Dissipation at holding <	of 60Hz coil powered at 60Hz pick-up drop-out nption 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
AC coil operating Rated AC voltage at 60l AC operating voltage AC average coil consum Dissipation at holding ≤2 Max cycles frequency	of 60Hz coil powered at 60Hz pick-up drop-out nption 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
AC coil operating Rated AC voltage at 600 AC operating voltage AC average coil consum Dissipation at holding < Max cycles frequency Mechanical operation	of 60Hz coil powered at 60Hz pick-up drop-out nption 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
AC coil operating Rated AC voltage at 60l AC operating voltage AC average coil consum Dissipation at holding ≤ Max cycles frequency	of 60Hz coil powered at 60Hz pick-up drop-out nption 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

in AC

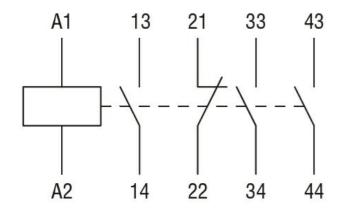


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		Clasing NO				
		Closing NO		min	ms	12
				max	ms	21
		Opening NC)	max	1113	21
		oponing ite		min	ms	9
				max	ms	18
		Closing NC				
		J		min	ms	17
				max	ms	26
		Opening NC	;			
				min	ms	7
				max	ms	17
	in DC					
		Closing NO				
				min	ms	18
				max	ms	25
		Opening NC)			
				min	ms	2
		Clasias NO		max	ms	3
		Closing NC		min	mo	2
				min	ms	3 5
		Opening NC	.	max	ms	5
		Opening Ne	,	min	ms	11
				max	ms	17
UL technical data						
General USE						
	Contactor					
			AC cu	urrent	Α	10
	ry contacts according to	UL				A600 - Q600
Ambient conditions						
Temperature						
	Operating temperature					
				min	°C	-50
				max	°C	+70
	Storage temperature				۰.	00
				min	°C	-60
Max altitude				max		+80
Resistance & Protection	n				m	3000
Pollution degree	11					3
Dimensions						
44 (0.17") (0.17") (0.17") (0.33") (0.33") (0.38")	34.9 (2.24") (2.24") (88.7.7) (3.24")		44 (1.73") ○ ○ ○ ○ ⊕ ⊕ ⊕ ⊕ ⊕ (1.37")	3.2 – (0.12")	(2.28)	RF9
			44		-	89.2 (3.51") 7.6 (0.30")
Wiring diagrams			44 —— 44 (1.73")			(3.51")
William diadrame						



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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