



Product type designation	Product designation				Auxiliary contactor
Contact characteristics Number of poles N. 4 Rated insulation voltage UI IEC/EN V 690 Rated insulation voltage UIImp kV 6 Operational frequency min Hz 2 25 max Hz 2 400 IEC Conventional free air thermal current lth A 10 Protection fuse gG (IEC) A 16 Tightening torque for terminals min Nm 0.8 max Nm 1 min 1bin 9 max 1bin 9 Tightening torque for coil terminal min Nm 0.8 max Nm 1 min 1bin 9 max 1bin 9 Tightening torque for coil terminal min Nm 0.8 max Nm 1 min 1bin 9 max 1bin 9 Max number of wires simultaneously connectable Nr. 2 Conductor section min mm 1bin 9 AWG/Kcmil max 12 Flexible w/o lug conductor section min mm 2 mm 2 0.75 max mm 2 2.5 Flexible c/w lug conductor section min mm 2 0.75 max mm 2 2.5 Flexible with insulated spade lug conductor section min mm 2 1.5 max mm 2 2.5 Flexible with insulated spade lug conductor section min mm 2 1.5 max mm 2 2.5 Flexible with insulated spade lug conductor section min mm 2 1.5 max mm 2 2.5 Flexible with insulated spade lug conductor section min mm 2 2.5 max mm 2 2.5	Product type designat	ion			
Rated insulation voltage Ui IEC/EN					
Rated insulation voltage Ui IEC/EN				Nr.	4
Rated impulse withstand voltage Uimp		ge Ui IEC/EN		V	690
Protectional frequency				kV	6
Min	Operational frequency	'			
EC Conventional free air thermal current Ith			min	Hz	25
Protection fuse gG (IEC) A 16 Tightening torque for terminals min Nm 0.8 max Nm 1 Min bin 9 Tightening torque for coil terminal min Nm 0.8 max Nm 1 max Nm 1 1 max Nm 1 1 Max number of wires simultaneously connectable Nr. 2 2 Conductor section min mm 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 1.5 Flexible with insulated spade lug conductor section min mm² 1.5 max mm² 2.5 Power terminal protection according to IEC/EN 60529<			max	Hz	400
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	Tightening torque for t	erminals			
Pack Pack			min	Nm	0.8
Tightening torque for coil terminal			max	Nm	1
Tightening torque for coil terminal			min	Ibin	9
Min Nm 0.8 max Nm 1 min			max	Ibin	9
Min Nm 0.8 max Nm 1 min	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 properly wired allowable IP20 when properly wired the sallowable IP20 when properly wired the sallowable IP30° Fixing Screw / DIN rail 35mm Screw / DIN rail 35mm Screw / DIN rail 35mm			min	Nm	0.8
Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil max 12 Flexible w/o lug conductor section min mm² mm² on mm			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 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 Operating position normal allowable ± 30° Vertical plan ± 30° Screw / DIN rail 35mm			min	lbin	9
AWG/Kcmil			max	lbin	9
AWG/Kcmil max 12	Max number of wires	simultaneously connectable		Nr.	2
Plexible w/o lug conductor section	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 Fixing Fixing Fixing		AWG/Kcmil			
Min min mm²			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 ±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 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	1.5
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 allowable ±30° Screw / DIN rail 35mm			max	mm²	2.5
Power terminal protection according to IEC/EN 60529 Mechanical features Operating position normal normal allowable 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		
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		_		
Fixing Screw / DIN rail 35mm					
Fixing 35mm			allowable		
33011111	Fixing				
weight g 178					
	vveignt			g	1/δ



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	AWG/kcmil conductor section			
		max		12
Auxiliary contact charac	eteristics			
Thermal current Ith			Α	10
IEC/EN 60947-5-1 des			A600 - Q600	
Operating current AC15			_	
		230V	A	3
		400V	A	1.9
0 11 1001		500V	Α	1.4
Operating current DC12	2		_	
		110V	Α	2.9
Operating current DC13	3			
		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/ISO 13489-1			
		mechanical load	cycles	20000000
	g to IEC/EN 609474-4-1			YES
EMC compatibility				yes
AC coil operating				
Rated AC voltage at 60	Hz		V	24
Rated AC voltage at 60 AC operating voltage			V	24
	of 60Hz coil powered at 60Hz		V	24
	of 60Hz coil powered at 60Hz	min	%Us	75
	of 60Hz coil powered at 60Hz pick-up	min max		
	of 60Hz coil powered at 60Hz	max	%Us %Us	75 115
	of 60Hz coil powered at 60Hz pick-up	max min	%Us %Us %Us	75 115 20
AC operating voltage	of 60Hz coil powered at 60Hz pick-up drop-out	max	%Us %Us	75 115
	of 60Hz coil powered at 60Hz pick-up drop-out	max min	%Us %Us %Us	75 115 20
AC operating voltage	of 60Hz coil powered at 60Hz pick-up drop-out	max min max	%Us %Us %Us %Us	75 115 20 55
AC operating voltage	of 60Hz coil powered at 60Hz pick-up drop-out	max min max in-rush	%Us %Us %Us %Us	75 115 20 55
AC operating voltage	of 60Hz coil powered at 60Hz pick-up drop-out mption at 20°C of 50/60Hz coil powered at 50Hz	max min max	%Us %Us %Us %Us	75 115 20 55
AC operating voltage	of 60Hz coil powered at 60Hz pick-up drop-out	max min max in-rush holding	%Us %Us %Us %Us	75 115 20 55 30 4
AC operating voltage	of 60Hz coil powered at 60Hz pick-up drop-out mption at 20°C of 50/60Hz coil powered at 50Hz	max min max in-rush holding in-rush	%Us %Us %Us %Us VA VA	75 115 20 55 30 4
AC operating voltage	of 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 in-rush holding	%Us %Us %Us %Us	75 115 20 55 30 4
AC operating voltage	of 60Hz coil powered at 60Hz pick-up drop-out mption 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	75 115 20 55 30 4 25 3
AC operating voltage	of 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 in-rush holding in-rush holding in-rush	%Us %Us %Us %Us VA VA	75 115 20 55 30 4 25 3
AC operating voltage AC average coil consul	of 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 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 average coil consul	of 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 of 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 average coil consult AC average coil consult Dissipation at holding Max cycles frequency	of 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 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 operating voltage AC average coil consult Dissipation at holding Max cycles frequency Mechanical operation	of 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 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 average coil consult AC average coil consult Dissipation at holding Max cycles frequency	of 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 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

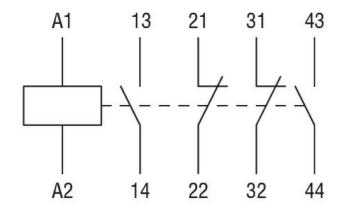


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		Clasing NO				
		Closing NO		min	ms	12
				max	ms	21
		Opening NC)	max	1113	21
		oponing ite		min	ms	9
				max	ms	18
		Closing NC				
		J		min	ms	17
				max	ms	26
		Opening NC	;			
				min	ms	7
				max	ms	17
	in DC					
		Closing NO				
				min	ms	18
				max	ms	25
		Opening NC)			
				min	ms	2
		Clocks & 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