



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           IEC Conventional free air thermal current Ith         A         10           Protection fuse         gG (IEC)         A         25           Tightening torque for terminals         min         Nm         1.5           max         Nm         1.8         nmin         1.1           max         Nm         1.8         nmin         1.1           max         Nm         1.5         nm         1.5           Tightening torque for coil terminal         min         Nm         0.8         nm         1.1         nm         1.5         nm         1.5         nm         1.1         nm         1.5         nm         1.0         1.0	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 man before a features and the stream of th				kV	6
Min		•			
EC Conventional free air thermal current Ith	, ,		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	25
Min   Nm   1.5   Nm   1.8   min   Nm   1.5   Nm   1.8   min   Nm   Nm   1.5   Nm   Nm   Nm   Nm   Nm   Nm   Nm   N	Tightening torque for t	erminals	<u> </u>		
Max   Nm   1.8   Nm   1.1   Nm   Nm   Nm   Nm   Nm   Nm   Nm   N	0 0 1		min	Nm	1.5
Tightening torque for coil terminal					
Tightening torque for coil terminal			min		
Min   Nm   0.8   max   Nm   1   min   lbin   0.8   max   lbin   0.74   max   lbin   lbin   lbin   lbin   0.74   max   lbin   lbi			max	lbin	1.5
Min   Nm   0.8   max   Nm   1   min   lbin   0.8   max   lbin   0.74   max   lbin   lbin   lbin   lbin   0.74   max   lbin   lbi	Tightening torque for o	coil terminal			
Max number of wires simultaneously connectable         min max         lbin look on 74           Conductor section         Nr. 2           AWG/Kcmil         max         10           Flexible w/o lug conductor section         min mm² mm² mm² flexible c/w lug conductor section         1           Flexible c/w lug conductor section         min mm² mm² flexible mm² flexible with insulated spade lug conductor section         min mm² mm² flexible mm² flexible mm² flexible with insulated spade lug conductor section         min mm² mm² flexible mm² flexibl			min	Nm	0.8
Max number of wires simultaneously connectable         max         lbin         0.74           Conductor section         AWG/Kcmil         max         10           Flexible w/o lug conductor section         min         mm²         1           Flexible c/w lug conductor section         min         mm²         6           Flexible c/w lug conductor section         min         mm²         1           Flexible with insulated spade lug conductor section         min         mm²         4           Flexible with insulated spade lug conductor section         min         mm²         1           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         10           Flexible w/o lug conductor section         min mm² mm² demax mm² d			min	Ibin	0.8
AWG/Kcmil			max	lbin	0.74
AWG/Kcmil   max   10	Max number of wires	simultaneously connectable		Nr.	2
Max	Conductor section				
Flexible w/o lug conductor section  min mm² 1 max mm² 6  Flexible c/w lug conductor section  min mm² 1 max mm² 1 max mm² 4  Flexible with insulated spade lug conductor section  min mm² nm² 4  Flexible with insulated spade lug conductor section  min mm² 1 max mm² 4  Power terminal protection according to IEC/EN 60529  Mechanical features  Operating position  Fixing  Fixing  Flexible w/o lug conductor section  min mm² 1 max mm² 4  IP20 when properly wired  Vertical plan ±30°  Screw / DIN rail 35mm		AWG/Kcmil			
Min max mm² 1 max mm² 6			max		10
Flexible c/w lug conductor section    Flexible c/w lug conductor section		Flexible w/o lug conductor section			
Flexible c/w lug conductor section  min mm² 1 max mm² 4  Flexible with insulated spade lug conductor section  min mm² 1 max mm² 1 max mm² 4  Power terminal protection according to IEC/EN 60529  Mechanical features  Operating position  normal normal allowable ±30°  Fixing  Fixing			min	mm²	1
min mm² 1 max mm² 4			max	mm²	6
Flexible with insulated spade lug conductor section    min mm²   1 max mm²   4		Flexible c/w lug conductor section			_
Flexible with insulated spade lug conductor section  min mm² 1 max mm² 4  Power terminal protection according to IEC/EN 60529  Mechanical features  Operating position  normal vertical plan allowable ±30°  Fixing  Fixing			min	mm²	1
Power terminal protection according to IEC/EN 60529  Mechanical features Operating position  normal allowable ±30°  Fixing    Min mm² d   Mechanical features   Mechanical featu			max	mm²	4
Power terminal protection according to IEC/EN 60529  Mechanical features Operating position  normal allowable ±30°  Fixing  Max mm² 4  IP20 when properly wired  Normal allowable ±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	mm²	1
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	tion according to IEC/EN 60529			
Operating position  normal Vertical plan allowable ±30°  Fixing  Screw / DIN rail 35mm		gg			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 353					
	vveigni			g	<b>333</b>



ENERGY AND AUTOMATION

Conductor section			
AWG/kcmil conductor section			
	max		10
Auxiliary contact characteristics			
Thermal current Ith		Α	10
IEC/EN 60947-5-1 designation			A600 - P600
Operating current AC15			
	230V	A	3
	400V	Α	1.9
	500V	Α	1.4
Operating current DC12			
	110V	Α	5.7
Operating current DC13			
	24V	Α	5.7
	48V	Α	2.9
	60V	Α	2.3
	110V	Α	1.25
	125V	Α	1.1
	220V	Α	0.55
	600V	Α	0.2
Operations			
Mechanical life		cycles	20000000
Safety related data			
Performance level B10d according to EN/ISO 13489-1			
	mechanical load	cycles	20000000
Mirror contats according to IEC/EN 609474-4-1			YES
EMC compatibility			yes
AC coil operating			
Rated AC voltage at 60Hz		V	24
AC operating voltage			_
of 60Hz coil powered at 60Hz			
pick-up			
	min	%Us	80
	max	%Us	110
drop-out			
	min	%Us	20
	max	%Us	55
AC average coil consumption at 20°C			
of 60Hz coil powered at 60Hz			
·	in-rush	VA	75
	holding	VA	9
Dissipation at holding ≤20°C 50Hz	<u> </u>	W	2.5
Max cycles frequency			
Mechanical operation		cycles/h	3600
Operating times		·	
Average time for Us control			
in AC			
Closing NO			
	min	ms	8
	max	ms	24
Opening NO		=	
- F - · · · · · 9 · · · -	min	ms	10
	max	ms	20



Closing	NC
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	min	ms	9
	max	ms	25
Opening NC			
	min	ms	9
	max	ms	15

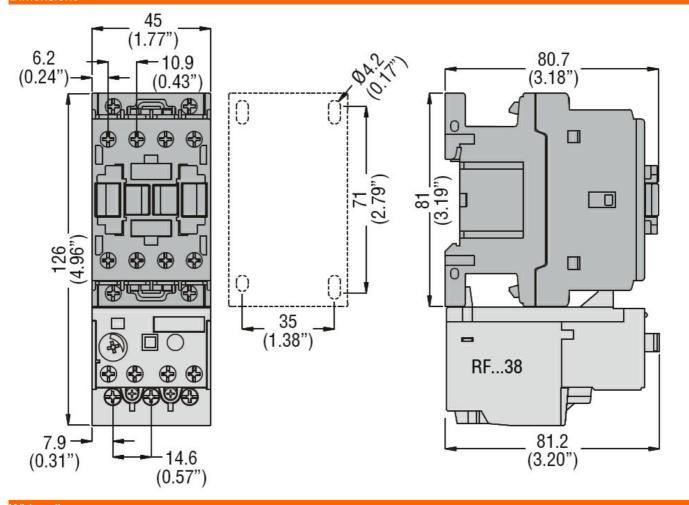
## UL technical data

General USE

Auxiliary contacts

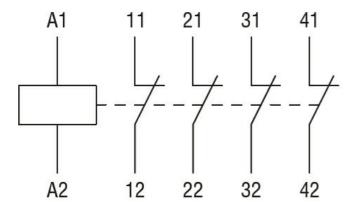
AC current	Α	10
		A600 - P600
min	°C	-50
max	°C	70
		_
min	°C	-60
max	°C	80
	m	3000
		3
	min max min	min °C max °C min °C max °C

## **Dimensions**



## Wiring diagrams





Certifications and	d 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	
	FAC	

ETIM classification

EC000196 -Contactor relay