



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 min Hz 25 max Hz 400 IEC Conventional free air thermal current Ith A 10 11	Product type designat	ion			
Number of poles					_,
Rated insulation voltage Ui IEC/EN				Nr.	4
Rated impulse withstand voltage Uimp		ge Ui IEC/EN			690
Province training to request to the remaining to represent the search of the remaining to represent the remaining representation the remaining representation the remaining the r				kV	
Min		• •			
EC Conventional free air thermal current Ith	.,,		min	Hz	25
EC Conventional free air thermal current Ith Protection fuse gG (IEC)					
Protection fuse gG (IEC)	IEC Conventional free	air thermal current Ith			
Tightening torque for terminals					
Tightening torque for terminals min Nm 1.5 max			aG (IEC)	Α	25
Min	Tightening torque for t	erminals	90 (.20)		
Max Nm 1.8 min bin 1.1 1.5 1.5	righterining torque for t	ommaio	min	Nm	1.5
Min					
Tightening torque for coil terminal					
Tightening torque for coil terminal min Nm 0.8 max Nm 1 min Ibin 0.8 max Ibin 0.74 Max number of wires simultaneously connectable Nr. 2					
min Nm 0.8 max Nm 1 min lbin 0.8 max lbin 0.74	Tightening torque for a	coil terminal	max		
Max number of wires simultaneously connectable Max number of wires simultaneously connectable Nr. 2	righterining torque for t	on torrina	min	Nm	0.8
Max number of wires simultaneously connectable Nr. 2					
Max number of wires simultaneously connectable Nr. 2					
Max number of wires simultaneously connectable Nr. 2 Conductor section max 10 Flexible w/o lug conductor section min mm² mm² 1 max mm² 6 1 Flexible c/w lug conductor section min mm² mm² 1 max mm² 4 1 Flexible with insulated spade lug conductor section min mm² mm² 4 1 Power terminal protection according to IEC/EN 60529 IP20 when properly wired properly wired mortal allowable Vertical plan ±30° Fixing Screw / DIN ra 35mm					
AWG/Kcmil	Max number of wires	simultaneously connectable	тих		
AWG/Kcmil max 10		Simularicously conficciable		I VII.	
Max	Conductor Section	AWG/Kemil			
Flexible w/o lug conductor section min mm² 1 max mm² 6 Flexible c/w lug conductor section min mm² 1 max mm² 4 Flexible with insulated spade lug conductor section min mm² 1 max mm² 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 Fixing		AWG/Reniii	may		10
min mm² 1 max mm² 6		Flexible w/o lug conductor section	Шах		10
Max mm² 6 Flexible c/w lug conductor section min mm² 1 max mm² 4 Flexible with insulated spade lug conductor section min mm² 1 max mm² 4 Flexible with insulated spade lug conductor section min mm² 1 max mm² 4 Flexible with insulated spade lug conductor section min mm² 1 max mm² 4 Flexible with insulated spade lug conductor section min mm² 1 max mm² 4 Flexible with insulated spade lug conductor section min mm² 1 max mm² 4 Flexible with insulated spade lug conductor section min mm² 1 max mm² 4 Flexible with insulated spade lug conductor section min mm² 1 max mm² 4 Flexible with insulated spade lug conductor section min mm² 1 max mm² 4 Flexible with insulated spade lug conductor section min mm² 1 max mm² 4 Flexible with insulated spade lug conductor section min mm² 1 max mm² 4 Flexible with insulated spade lug conductor section min mm² 1 max mm² 4 Flexible with insulated spade lug conductor section min mm² 1 max mm² 4 Flexible with insulated spade lug conductor section min mm² 1 max mm² 4 Flexible with insulated spade lug conductor section min mm² 1 max mm² 4 Flexible with insulated spade lug conductor section min mm² 1 max mm² 4 Flexible with insulated spade lug conductor section min mm² max mm² 4 Flexible with insulated spade lug conductor section min mm² max mm² 4 Flexible with insulated spade lug conductor section min max mm² 4 Flexible with insulated spade lug conductor section min mm² max mm² 4 Flexible with insulated spade lug conductor section min mm² max mm² 4 Flexible with insulated spade lug conductor section min max mm² 4 Flexible with insulated spade lug conductor section min max mm² 4 Flexible with insulated spade lug conductor section min max mm² 4 Flexible with insulated spade lug conductor section min max mm² 4 Flexible with insulated spade lug conductor section min max mm² 4 Flexible with insulated spade lug conductor Flexible with insulated spade lug conductor Flexible with insulated s		r lexible w/o lug corluction section	min	mm²	1
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 Fixing Fixing					
min mm² 1 max mm² 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 normal allowable 1P20 when properly wired Vertical plan allowable ±30° Screw / DIN ra 35mm		Flovible c/w lug conductor section	Шах	111111	0
Fixing max mm² 4 max mm² 4 min mm² 1 max mm² 4 max mm² 4 max mm² 4 max mm² 4 max mm² 4 max mm² 4 max mm² 4 max mm² 4 max mm² 4 max mm² 4 max mm² 4 max mm² 4 max mm² 4 max mm² 4 max mm² 4 max mm² 4 max mm² 4 max mm² 4 max mm² 4 max mm² 4 ma		r lexible c/w lug corludctor section	min	mm²	1
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 max mm² 4 Power terminal protection according to IEC/EN 60529 Mechanical features Operating position normal allowable ±30° Fixing min mm² 1 max mm² 4 IP20 when properly wired vertical plan allowable ±30° Screw / DIN ra 35mm		Flevible with insulated snade lug conductor section	IIIdx	111111	
Power terminal protection according to IEC/EN 60529 Mechanical features Operating position normal allowable Fixing max mm² 4 IP20 when properly wired IP20 when properly wired Vertical plan allowable Screw / DIN ra 35mm		i lexible with insulated space lug conductor section	min	mm²	1
Power terminal protection according to IEC/EN 60529 Mechanical features Operating position normal Vertical plan allowable ±30° Fixing IP20 when properly wired Screw / DIN ra 35mm					
Mechanical features Operating position normal Vertical plan allowable ±30° Fixing Fixing			max	111111	
Mechanical features Operating position normal Vertical plan allowable ±30° Fixing Screw / DIN ra 35mm	Power terminal protect	tion according to IEC/EN 60529			
Operating position normal Vertical plan allowable ±30° Fixing Screw / DIN ra 35mm	Mechanical features				
normal Vertical plan					
Fixing allowable ±30° Screw / DIN ra 35mm	- Foramia boomon		normal		Vertical plan
Fixing Screw / DIN ra 35mm					
Fixing 35mm			anomabio		
weight g 496					35mm
· ·	Weight			g	496



Conductor section				
	AWG/kcmil conductor section	max		10
Auxiliary contact chara	cteristics	HOX		. •
Thermal current Ith			Α	10
IEC/EN 60947-5-1 des	signation			A600 - P600
Operating current AC1				
1 0		230V	Α	3
		400V	Α	1.9
		500V	Α	1.4
Operating current DC1	2			
oporating ourroin 201	_	110V	Α	5.7
Operating current DC1	3	1100		0.1
Operating current DO	3	24V	Α	5.7
		48V	A	2.9
		60V		2.3
		110V	A A	2.3 1.25
		110V 125V	A	1.25
		220V	A	0.55
		600V		0.55
Operations		600 V	Α	0.2
Mechanical life			ovoloo.	20000000
			cycles	20000000
Safety related data	2d dia n ta FN//00 40400 4			
Performance level B10	0d according to EN/ISO 13489-1			
		mechanical load	cycles	20000000
	ng to IEC/EN 609474-4-1			YES
EMC compatibility				yes
AC coil operating				
AC operating voltage				
	of 50/60Hz coil powered at 50Hz			
	•			
	drop-out			
	drop-out	max	%Us	55
DC coil operating		max		
DC rated control voltage		max	%Us	55 48
		max		
DC rated control voltage		max		
DC rated control voltage	ge	max		
DC rated control voltage	ge		V	48
DC rated control voltage	ge	min	V %Us	80
DC rated control voltage	ge pick-up	min	V %Us %Us	80
DC rated control voltage	ge pick-up	min max	V %Us %Us	48 80 110
DC rated control voltage	ge pick-up drop-out	min max min	V %Us %Us	48 80 110
DC rated control voltage DC operating voltage	ge pick-up drop-out	min max min	V %Us %Us	48 80 110
DC rated control voltage DC operating voltage	ge pick-up drop-out	min max min max	V %Us %Us %Us %Us	48 80 110 10 40
DC rated control voltage DC operating voltage	ge pick-up drop-out	min max min max in-rush	V %Us %Us %Us %Us %Us	48 80 110 10 40 2.4
DC rated control voltage DC operating voltage Average coil consump	ge pick-up drop-out	min max min max in-rush	V %Us %Us %Us %Us %Us	48 80 110 10 40 2.4 2.4
DC rated control voltage DC operating voltage Average coil consump Max cycles frequency	ge pick-up drop-out	min max min max in-rush	V %Us %Us %Us WUs W	48 80 110 10 40 2.4 2.4
DC rated control voltage DC operating voltage Average coil consump Max cycles frequency Mechanical operation Operating times	ge pick-up drop-out tion ≤20°C	min max min max in-rush	V %Us %Us %Us WUs W	48 80 110 10 40 2.4 2.4
DC rated control voltage DC operating voltage Average coil consump Max cycles frequency Mechanical operation	ge pick-up drop-out tion ≤20°C	min max min max in-rush	V %Us %Us %Us WUs W	48 80 110 10 40 2.4 2.4
DC rated control voltage DC operating voltage Average coil consump Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C	min max min max in-rush	V %Us %Us %Us WUs	48 80 110 10 40 2.4 2.4
DC rated control voltage DC operating voltage Average coil consump Max cycles frequency Mechanical operation Operating times	ge pick-up drop-out tion ≤20°C	min max min max in-rush	V %Us %Us %Us W W cycles/h	48 80 110 10 40 2.4 2.4 3600
DC rated control voltage DC operating voltage Average coil consump Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C	min max min max in-rush holding	V %Us %Us %Us WUs	48 80 110 10 40 2.4 2.4
DC rated control voltage DC operating voltage Average coil consump Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C	min max min max in-rush holding	V %Us %Us %Us W W cycles/h	48 80 110 10 40 2.4 2.4 3600



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Closing NC	min	ms	15
	max	ms	19
Opening NC	min	ms	24
	max	ms	30
	min	ms	67
	max	ms	81

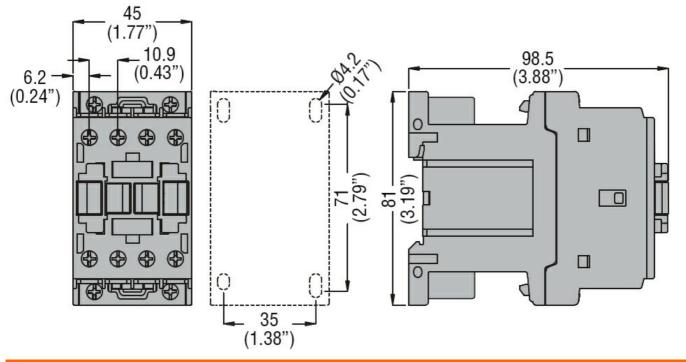
UL technical data

General USE

Auxiliary contacts

·	AC current	Α	10
Contact rating of auxiliary contacts according to UL			A600 - P600
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			3

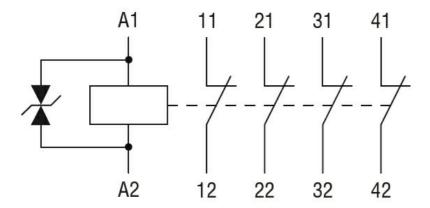
Dimensions



Wiring diagrams



ENERGY AND AUTOMATION



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