



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         4         10           Short-time allowable current for 10s (IEC/EN60947-1)         A         0         0         0           Protection fuse         gG (IEC)         A         16	Product type designat	tion			
Number of poles					201 00
Rated insulation voltage Ui IEC/EN				Nr.	4
Rated impulse withstand voltage Ulimp		ge Ui IEC/EN			
Min				kV	
Max   Hz   400     EC Conventional free air thermal current Ith		•			
EC Conventional free air thermal current Ith Short-time allowable current for 10s (IEC/EN60947-1)			min	Hz	25
Short-time allowable current for 10s (IEC/EN60947-1)			max	Hz	400
Protection fuse   gG (IEC)	IEC Conventional free	air thermal current Ith		Α	10
Tightening torque for terminals	Short-time allowable	current for 10s (IEC/EN60947-1)		Α	0
Tightening torque for terminals	Protection fuse				
Min			gG (IEC)	Α	16
Max   Nm   1   1   9   1   1   1   1   1   1   1	Tightening torque for t	terminals			
Max   10   10   10   10   10   10   10   1			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   l			max	lbin	9
Max number of wires simultaneously connectable   Max number of wires simultaneously connectable   Nr.   2	Tightening torque for	coil terminal			_
Max number of wires simultaneously connectable   Nr.   2			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 mm² 0.75 max mm² 2.5         0.75 max mm² 2.5           Flexible c/w lug conductor section         min mm² mm² 1.5 max mm² 2.5         2.5           Flexible with insulated spade lug conductor section         min mm² 1.5 max mm² 2.5         2.5           Power terminal protection according to IEC/EN 60529         IP20 when properly wired properly wired properly wired allowable 430°         Wertical plan allowable 430°           Fixing         Screw / DIN rail 35mm			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 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 ±30°           Fixing         Screw / DIN rail 35mm			min	lbin	9
AWG/Kcmil   max   12			max		
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 allowable ±30°  Fixing  Fixing  Fixing		AWG/Kcmil			
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 vertical plan allowable ±30°  Fixing  Fixing  Screw / DIN rail 35mm			max		12
Fixing    Max   mm²   2.5		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  Fixing					
min mm² 1.5 max mm² 2.5  Flexible with insulated spade lug conductor section  min mm² 1.5 max 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 vertical plan ±30° Fixing  Fixing  Screw / DIN rail 35mm			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  Screw / DIN rail 35mm		Flexible c/w lug conductor section		2	4 =
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 max mm² 2.5  Power terminal protection according to IEC/EN 60529  Mechanical features Operating position  normal vertical plan allowable ±30°  Fixing  Screw / DIN rail 35mm		Clavible with insulated and do long conductor and tion	max	mm-	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 allowable ±30°  Screw / DIN rail 35mm		Flexible with insulated spade lug conductor section	min	mana2	4 5
Power terminal protection according to IEC/EN 60529  Mechanical features  Operating position  normal Vertical plan allowable ±30°  Fixing  Screw / DIN rail 35mm					
Power terminal protection according to IEC/EN 60529  Mechanical features  Operating position  normal Vertical plan allowable ±30°  Fixing  Screw / DIN rail 35mm	-		Шах	111111	
Mechanical features  Operating position  normal Vertical plan allowable ±30°  Fixing  Screw / DIN rail 35mm	Power terminal protect	ction according to IEC/EN 60529			
Operating position  normal Vertical plan allowable ±30°  Fixing  Screw / DIN rail 35mm	Mechanical features				proporty milou
normal Vertical plan allowable ±30°  Fixing Screw / DIN rail 35mm					
Fixing Screw / DIN rail 35mm	- It as asserted becomes		normal		Vertical plan
Fixing Screw / DIN rail 35mm					•
Fixing 35mm	Finds a				
	rixing				
	Weight			g	180

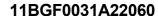


## CONTROL RELAY WITH AC COIL 60HZ, 220VAC, 3NO AND 1NC, FASTON TERMINALS

AWG/kcmil conductor section			
AVVO/Komiii conductor Section			
A million a contact abore stanistics	max		12
Auxiliary contact characteristics  Thermal current Ith		А	10
IEC/EN 60947-5-1 designation			A600 - Q600
Operating current AC15			A000 - Q000
Operating current AC13	230V	Α	3
	400V	A	1.9
	500V	A	1.4
Operating current DC12	300 V		1.4
Operating current DC12	110V	Α	2.9
Operating current DC42	1100	A	2.9
Operating current DC13	0.41/	۸	0.0
	24V	A	2.9
	48V	A	1.4
	60V	A	1.1
	125V	A	0.3
	220V	A	0.1
s ::	600V	Α	0.6
Operations			0000000
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	220
AC operating voltage			
of 60Hz coil powered at 60Hz			
•			
pick-up			
·	min	%Us	75
pick-up	min max	%Us %Us	75 115
•	max	%Us	115
pick-up	max min	%Us %Us	<ul><li>115</li><li>20</li></ul>
pick-up drop-out	max	%Us	115
drop-out  AC average coil consumption at 20°C	max min	%Us %Us	<ul><li>115</li><li>20</li></ul>
pick-up drop-out	max min max	%Us %Us %Us	115 20 55
drop-out  AC average coil consumption at 20°C	max min max in-rush	%Us %Us %Us VA	115 20 55 30
drop-out  AC average coil consumption at 20°C  of 50/60Hz coil powered at 50Hz	max min max	%Us %Us %Us	115 20 55
pick-up  drop-out  AC average coil consumption at 20°C	max min max in-rush holding	%Us %Us %Us VA VA	115 20 55 30 4
drop-out  AC average coil consumption at 20°C  of 50/60Hz coil powered at 50Hz	max min max in-rush holding in-rush	%Us %Us %Us VA VA	115 20 55 30 4 25
drop-out  AC average coil consumption 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 VA VA	115 20 55 30 4
drop-out  AC average coil consumption at 20°C  of 50/60Hz coil powered at 50Hz	max min max in-rush holding in-rush holding	%Us %Us %Us VA VA	115 20 55 30 4 25 3
drop-out  AC average coil consumption 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 VA VA VA VA VA	115 20 55 30 4 25 3
AC average coil consumption 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 VA VA VA VA VA	115 20 55 30 4 25 3 30 4
AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz  of 50/60Hz coil powered at 60Hz  of 60Hz coil powered at 60Hz  Dissipation at holding ≤20°C 50Hz	max min max in-rush holding in-rush holding in-rush	%Us %Us %Us VA VA VA VA VA	115 20 55 30 4 25 3
AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz  of 50/60Hz coil powered at 60Hz  of 60Hz coil powered at 60Hz  Dissipation at holding ≤20°C 50Hz  Max cycles frequency	max min max in-rush holding in-rush holding in-rush	%Us %Us %Us VA	115 20 55 30 4 25 3 30 4 0.95
drop-out  AC average coil consumption at 20°C     of 50/60Hz coil powered at 50Hz  of 50/60Hz coil powered at 60Hz  of 60Hz coil powered at 60Hz  Dissipation at holding ≤20°C 50Hz  Max cycles frequency  Mechanical operation	max min max in-rush holding in-rush holding in-rush	%Us %Us %Us VA VA VA VA VA	115 20 55 30 4 25 3 30 4 0.95
pick-up  drop-out  AC average coil consumption at 20°C     of 50/60Hz coil powered at 50Hz  of 50/60Hz coil powered at 60Hz  of 60Hz coil powered at 60Hz  Dissipation at holding ≤20°C 50Hz  Max cycles frequency	max min max in-rush holding in-rush holding in-rush	%Us %Us %Us VA	115 20 55 30 4 25 3 30 4 0.95

Closing NO

in AC



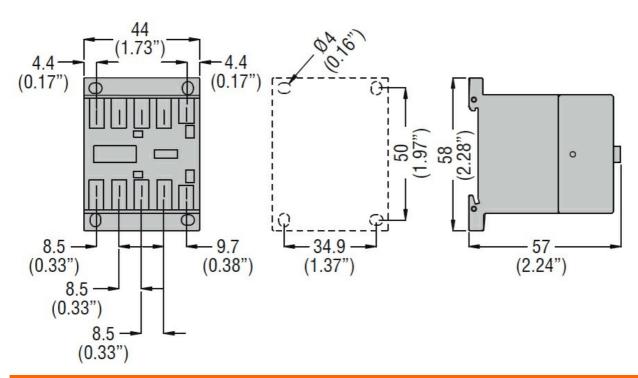


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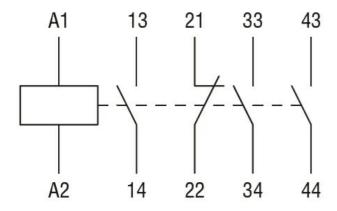
				min	ms	12
					ms	21
		Opening NO	l	max	1115	21
		Opening NO		!		0
					ms	9
			l	max	ms	18
		Closing NC		_		
					ms	17
			I	max	ms	26
		Opening NC				
				min	ms	7
			I	max	ms	17
	in DC					_
		Closing NO				
		_		min	ms	18
			ĺ	max	ms	25
		Opening NO				
		- 1 - 3 -		min	ms	2
				max	ms	3
		Closing NC	'	TIOX		Ŭ
		Closing 140		min	ms	3
					ms	5
		Opening NC	l	Παλ	1113	3
		Opening NC		!		44
				min	ms	11
				max	ms	17
UL technical data						
	ry contacts according to	UL				A600 - Q600
Ambient conditions						
Temperature						
	Operating temperature					
				min	°C	-50
			ĺ	max	°C	+70
	Storage temperature					
	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7			min	°C	-60
				max	°C	+80
Max altitude			<u> </u>	····	m	3000
Resistance & Protectio	n -				111	3000
	<del>  </del>					3
Pollution degree						J
Dimensions						



**ENERGY AND AUTOMATION** 



## 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