



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         10           IEC Conventional free air thermal current Ith         A         10           Short-time allowable current for 10s (IEC/EN60947-1)         A         0           Protection fuse         gG (IEC)         A         16           Tightening torque for terminals         min         Nm         0.8           max         Nm         1         nm         0.8           max         Nm         1         nm         0.8         nm         1         nm         nm         2         2	Product type designat	tion			
Number of poles					201 00
Rated insulation voltage Ui IEC/EN   V   690				Nr.	4
Rated impulse withstand voltage Ulimp		ge Ui IEC/EN			
Min				kV	
Max number of wires simultaneously connectable   AWG/Kcmil   AWG		·			
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			
Min   Min			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 mm² 1.5 max mm² 2.5         1.5 max mm² 2.5           Flexible with insulated spade lug conductor section         min mm² mm² 1.5 max mm² 2.5         1.5 max mm² 2.5           Power terminal protection according to IEC/EN 60529         IP20 when properly wired properly wired mormal allowable 430°         Vertical plan 430°           Fixing         Screw / DIN rail 35mm         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         Vertical plan ±30°           Fixing         Screw / DIN rail 35mm			min	lbin	9
AWG/Kcmil   max   12			max		
AWG/Kcmil   max   12	·			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 nm² 1.5 max mm² 2.5  Flexible with insulated spade lug conductor section  min mm² nm² 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  1.5  Screw / DIN rail 35mm		AWG/Kcmil			
Min mm²			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  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  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		Elevible with insulated and do live conductor as stice	max	mm-	2.5
Power terminal protection according to IEC/EN 60529  Mechanical features Operating position  normal normal allowable ±30°  Fixing  Screw / DIN rail 35mm		riexible with insulated spade lug conductor section	min	mm²	1.5
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	F				
	Fixing				
	Weight			g	

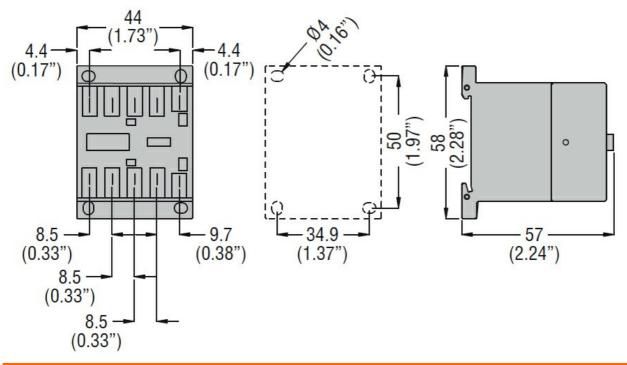


Conductor section

Conductor section					
	AWG/kcmil conduc	ctor section			
			max		12
Auxiliary contact charact	cteristics				
Thermal current Ith				Α	10
IEC/EN 60947-5-1 des	ignation				A600 - Q600
Operating current AC1	5				
, ,			230V	Α	3
			400V	Α	1.9
			500V	Α	1.4
Operating current DC1:	2				•••
operating current bo n	_		110V	Α	2.9
Operating ourrent DC1:	2		1100		2.3
Operating current DC1	S		0.41/	^	0.0
			24V	A	2.9
			48V	A	1.4
			60V	Α	1.1
			125V	Α	0.3
			220V	Α	0.1
			600V	Α	0.6
Operations					
Mechanical life				cycles	20000000
Safety related data					
Performance level B10	d according to EN/I	SO 13489-1			
	_		mechanical load	cycles	20000000
Mirror contats according	ng to IEC/EN 609474				YES
EMC compatibility	.9 10 1.2 0,2 11 000 11				yes
DC coil operating					you
DC rated control voltag	10			V	12
DC operating voltage	, <b>C</b>			v	12
DC operating voltage	mials un				
	pick-up			0/11-	7.5
			min	%Us	75
			max	%Us	115
	drop-out				
			min	%Us	10
-			max	%Us	25
Average coil consumpt	tion ≤20°C				
			in-rush	W	3.2
			holding	W	3.2
Max cycles frequency					
Mechanical operation				cycles/h	3600
Operating times					
Average time for Us co					
	ntrol				
J					
J	ontrol in AC	Closing NO			
5		Closing NO	min	me	12
J		Closing NO	min	ms	12
S .			min max	ms ms	12 21
S .		Closing NO Opening NO	max	ms	21
			max min	ms ms	9
S		Opening NO	max	ms	21
S The second sec			max min max	ms ms	<ul><li>21</li><li>9</li><li>18</li></ul>
S The second sec		Opening NO	max min	ms ms	9
		Opening NO Closing NC	max min max	ms ms ms	<ul><li>21</li><li>9</li><li>18</li></ul>
		Opening NO	max min max min	ms ms ms	<ul><li>21</li><li>9</li><li>18</li><li>17</li></ul>



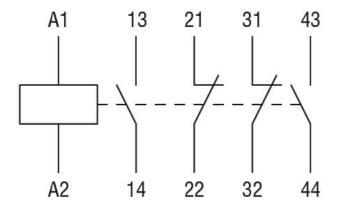
			min	ms	7
			max	ms	17
	in DC				
		Closing NO			
		•	min	ms	18
			max	ms	25
		Opening NO			
		1 0	min	ms	2
			max	ms	3
		Closing NC			
		3	min	ms	3
			max	ms	5
		Opening NC			
		- 1 - 3 -	min	ms	11
			max	ms	17
UL technical data					
	ary contacts according t	o UL			A600 - Q600
Ambient conditions	, , , , , , , , , , , , , , , , , , ,				
Temperature					
•	Operating temperature	е			
	3 11 111		min	°C	-50
			max	°C	+70
	Storage temperature				
			min	°C	-60
			max	°C	+80
Max altitude				m	3000
Resistance & Protection	on				
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