



Product type designation					A. william
Product type designation	Product designation				Auxiliary contactor
Normatic characteristics	Product type designat	tion			
Rated insulation voltage Ui IEC/EN XV 690					
Rated impulse withstand voltage Uimp	Number of poles			Nr.	4
Min	Rated insulation voltage	ge Ui IEC/EN		V	690
Flexible with insulated spade lug conductor section Flexible with insulated spade lug conductor se	Rated impulse withsta	and voltage Uimp		kV	6
EC Conventional free air thermal current Ith	Operational frequency	/			
EC Conventional free air thermal current Ith Protection fuse gG (IEC)			min	Hz	
Protection fuse gG (IEC) A 25 Tightening torque for terminals min min min loin max loin 1.1 max loin 1.5 Tightening torque for coil terminal min min min loin max loin 1.5 Tightening torque for coil terminal min min min loin 0.8 max loin 0.74 Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil max 10 Flexible w/o lug conductor section min mm² 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 Power terminal protection according to IEC/EN 60529 min mm² 1 max mm² 4 Power terminal protection according to IEC/EN 60529 IP20 when properly wired Mechanical features Operating position Vertical plan ±30° Fixing Screw / DIN rail 35mm			max		
Tightening torque for terminals		air thermal current Ith		Α	10
Tightening torque for terminals	Protection fuse				
Min			gG (IEC)	A	25
Max Nm 1.8 min lbin 1.1 1.1 max lbin 1.5	Tightening torque for t	terminals			
Min					
Tightening torque for coil terminal Min Nm 0.8 Min Nm 0.8 Min Nm Nm Nm Nm Nm Nm Nm N					
Tightening torque for coil terminal					
min Nm 0.8 max Nm 1 min lbin 0.8 max lbin 0.74 max lbin l			max	Ibin	1.5
Max number of wires simultaneously connectable Nr. 2	lightening torque for (coil terminal		Nico	0.0
Max number of wires simultaneously connectable Mr. 2 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 Ibin 0.74 Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil max 10 Flexible w/o lug conductor section min mm² 1 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 number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil max 10 Flexible w/o lug conductor section min mm² mm² fermax mm					
AWG/Kcmil max 10	May number of wires	cimultanaguely connectable	IIIax		
AWG/Kcmil max 10				INI.	
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 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 normal allowable ±30° Fixing Fixing Fixing		AWO/Noriii	may		10
Min mm² 1 max mm² 6		Flexible w/o lug conductor section	max		10
Flexible c/w lug conductor section min mm² 1 max mm² 4		Tionible with rag defiduction destination	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 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 normal allowable ±30° Fixing Fixing Fixing					
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 Power terminal protection according to IEC/EN 60529 Mechanical features Operating position normal vertical plan ±30° Fixing Screw / DIN rail 35mm		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
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			max	mm²	4
Power terminal protection according to IEC/EN 60529 Mechanical features Operating position normal normal allowable Fixing max mm² 4 IP20 when properly wired Normal 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 allowable ±30° Fixing Screw / DIN rail 35mm		·	min	mm²	1
Power terminal protection according to IEC/EN 60529 Mechanical features Operating position normal Vertical plan allowable ±30° Fixing Screw / DIN rail 35mm			max	mm²	4
Mechanical features Operating position normal Vertical plan allowable ±30° Fixing Screw / DIN rail 35mm	Power terminal protection according to IEC/EN 60529				
Operating position normal Vertical plan allowable ±30° Fixing Screw / DIN rail 35mm		stion according to IEO/EIV 00323			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		
350000	Fixing				
vveignt g 356					
	vveignt			g	356



Conductor section

Conductor Section	AWG/kcmil conductor section			
	AWO/Remii conductor section	max		10
Auxiliary contact chara	cteristics	ПСХ		10
Thermal current Ith			Α	10
IEC/EN 60947-5-1 des	signation			A600 - P600
Operating current AC1	<u> </u>			
		230V	Α	3
		400V	Α	1.9
		500V	Α	1.4
Operating current DC1	2			
		110V	Α	5.7
Operating current DC1	3			
		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	N. L. C.			
Performance level B10	od according to EN/ISO 13489-1			0000000
NAT	IFO/FN 000474 A A	mechanical load	cycles	20000000
	ng to IEC/EN 609474-4-1			YES
EMC compatibility				yes
AC soil an aretina				
AC coil operating	0/0011-		W	
Rated AC voltage at 50	0/60Hz		V	110
			V	
Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz		V	
Rated AC voltage at 50		min		110
Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz	min	%Us	110
Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz pick-up	min max		110
Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz	max	%Us %Us	110 80 110
Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz pick-up	max min	%Us %Us %Us	110 80 110 20
Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz pick-up drop-out	max	%Us %Us	110 80 110
Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz	max min	%Us %Us %Us	110 80 110 20
Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz pick-up drop-out	max min max	%Us %Us %Us %Us	80 110 20 55
Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz	max min max min	%Us %Us %Us %Us	110 80 110 20 55
Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up	max min max	%Us %Us %Us %Us	80 110 20 55
Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz	max min max min max	%Us %Us %Us %Us %Us	80 110 20 55 80 110
Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up	max min max min max min max	%Us %Us %Us %Us %Us	80 110 20 55 80 110 20
Rated AC voltage at 50 AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out	max min max min max	%Us %Us %Us %Us %Us	80 110 20 55 80 110
Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out	max min max min max min max	%Us %Us %Us %Us %Us	80 110 20 55 80 110 20
Rated AC voltage at 50 AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out	max min max min max min max	%Us %Us %Us %Us %Us	80 110 20 55 80 110 20
Rated AC voltage at 50 AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out	max min max min max min max	%Us %Us %Us %Us %Us %Us %Us	80 110 20 55 80 110 20 55
Rated AC voltage at 50 AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out	max min max min max min max in-rush	%Us %Us %Us %Us %Us %Us %Us	110 80 110 20 55 80 110 20 55
Rated AC voltage at 50 AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out mption at 20°C of 50/60Hz coil powered at 50Hz	max min max min max min max in-rush	%Us %Us %Us %Us %Us %Us %Us	110 80 110 20 55 80 110 20 55
Rated AC voltage at 50 AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out mption at 20°C of 50/60Hz coil powered at 50Hz	max min max min max min max in-rush holding	%Us %Us %Us %Us %Us %Us %Us	110 80 110 20 55 80 110 20 55 75
Rated AC voltage at 50 AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out mption at 20°C of 50/60Hz coil powered at 50Hz	max min max min max min max in-rush holding in-rush	%Us %Us %Us %Us %Us %Us %Us VA VA	110 80 110 20 55 80 110 20 55 75 9
Rated AC voltage at 50 AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz 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 min max min max in-rush holding in-rush	%Us %Us %Us %Us %Us %Us %Us VA VA	110 80 110 20 55 80 110 20 55 75 9

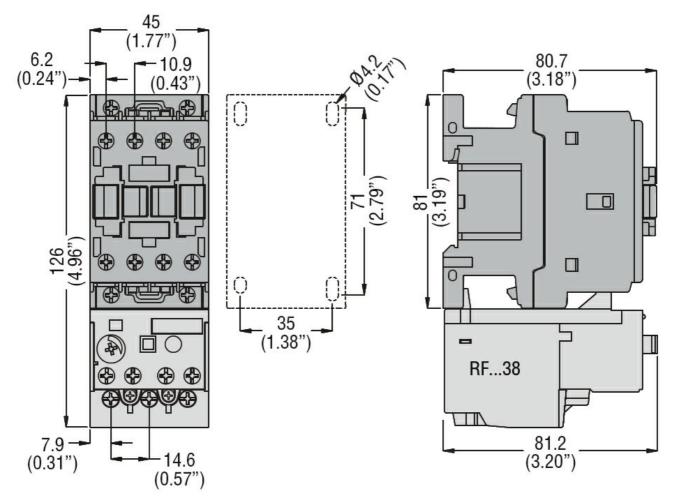


ENERGY AND AUTOMATION

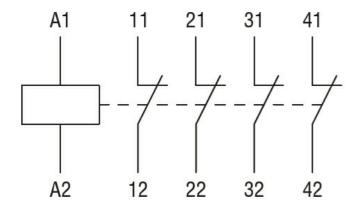
	holding	VA	9
Dissipation at holding ≤20°C 50Hz		W	2.5
Max cycles frequency			
Mechanical operation	(cycles/h	3600
Operating times			
Average time for Us control			
in AC			
Closing NO			
	min	ms	8
	max	ms	24
Opening NO			
	min	ms	10
	max	ms	20
Closing NC			
	min	ms	9
	max	ms	25
Opening NC			
	min	ms	9
	max	ms	15
UL technical data			
General USE			
Auxiliary contacts			
	AC current	Α	10
Contact rating of auxiliary contacts according to UL			A600 - P600
Ambient conditions			
Temperature			
Operating temperature			
	min	°C	-50
	max	°C	70
Storage temperature			
	min	°C	-60
	max	°C	80
Max altitude		m	3000
Resistance & Protection			
Pollution degree			3
Dimensions			







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

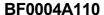
UL 60947-5-1

Certificates

CCC

cULus

EAC







ETIM classification

ETIM 8.0

EC000196 -Contactor relay