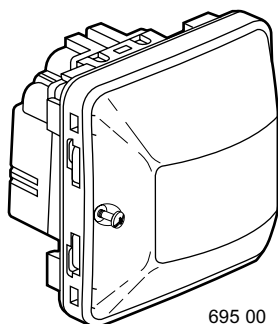
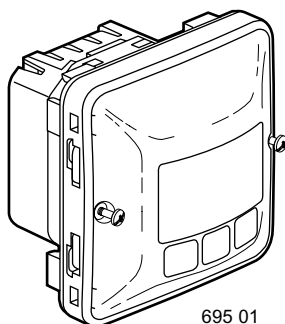


Plexo Automatic switches

Cat. No(s): 695 00/01/02



695 00



695 01

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1. Technical characteristics	1
2. Range	1
3. Installation	1-3
4. Overall dimensions	3
5. Operation	3-4
6. General characteristics	4-5
7. Maintenance	5

1. TECHNICAL CHARACTERISTICS

Weatherproof wiring system designed for residential and professional technical locations (garages, cellars, car parks, workshops and industrial kitchens, etc) as well as for outdoor applications (patios, gardens, camp sites, etc).

Automatic switches with or without neutral with infrared detection.

2. RANGE

Cat. No.	2 versions : grey and white
695 xx 696 xx	Composable
697 xx 698 xx	Complete surface mounting Complete flush mounting

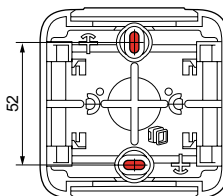
	Description	Cat. No.	Connection method	Weight (g)	Characteristics
COMPOSABLE	 Automatic switch without neutral 2 wires without override	695 00 grey/white	Screw	80 g	230 V - 50 Hz 300 W max 110 V - 50 Hz 150 W max
	 Automatic switch without neutral 2 wires with override	695 01 grey/white	screw	83 g	230 V - 50 Hz 400 W max
	 Automatic switch with neutral 3 wires without override	695 02 grey/white	screw	81 g	230 V - 50 Hz 1000 W max

	+		GREY	WHITE	=	
	+		696 81	696 92	=	

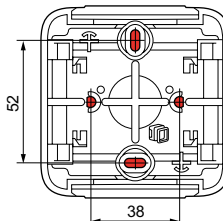
3. INSTALLATION

3.1 fSurface mounting

- by screwing back box onto support using two Ø 3 mm - Ø 4 mm max. screws.

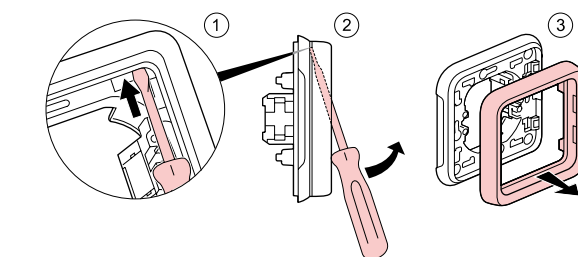


- to replace former Plexo 55 series

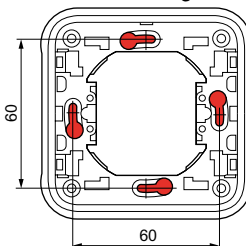


3.2 Flush mounting

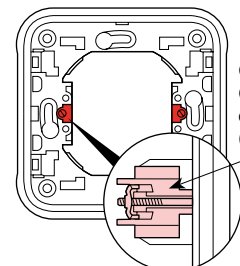
- unclip plate



- With screws
on flush mounting box



- With claws
on flush mounting box



Claws can be fitted:
Cat. No. 849 00
or Cat. No. 849 01
(long claws)

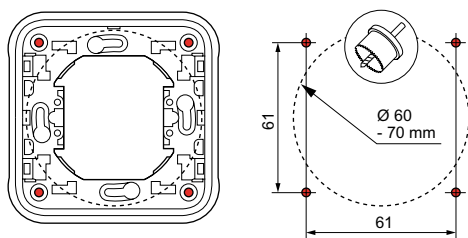
Plexo

Automatic switches

Cat. No(s): 695 00/01/02

3. INSTALLATION (continued)

- On solid faceplate using four Ø 4 mm screws.
Drill support material (diameter 60 - 70 mm) using hole saw or hole punch.

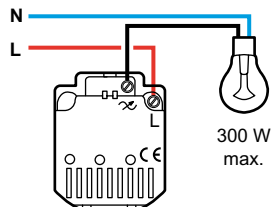


3.3 Conductor connection

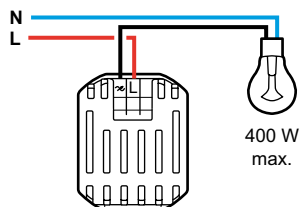
3.3.1- 2 wire mechanisms 695 00/01



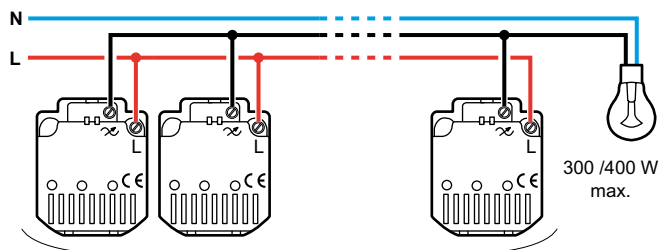
695 00



695 01



695 00/01

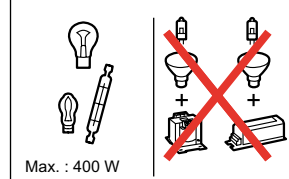


695 00 : n = 5 max - 300 W max

695 01 : n = 9 max - 400 W max

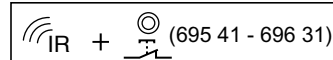
695 01

Connection in parallel is only possible with incandescent sources

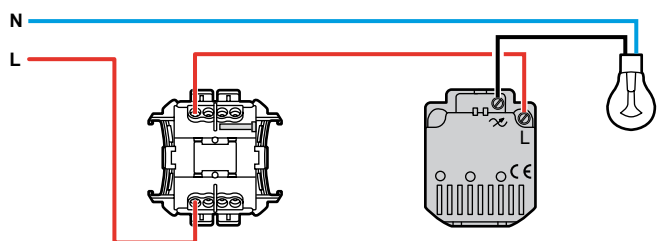


Max. : 400 W

Number of terminals	2
Type of terminals	Cage connectors
Terminal capacity	2 x 1.5 mm ² or 1 x 2.5 mm ²
Tool	Flat 3.5 mm or Philips no. 1 or Pozidrive no. 1 or combined size 0



695 00/01

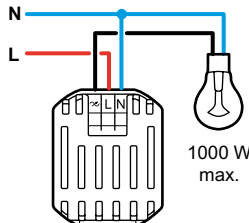


3.3 Conductor connection (continued)

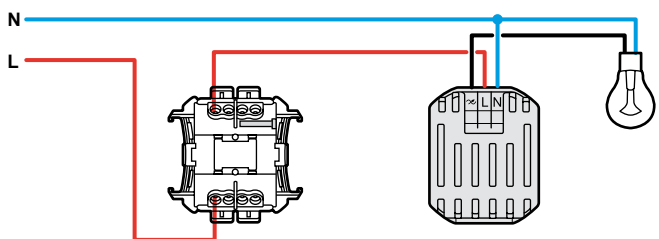
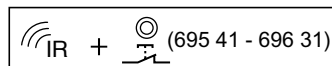
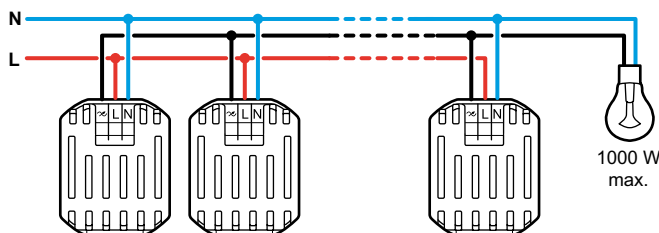
3.3.2 - 3 wire mechanisms 695 02



695 02



Number of terminals	3
Type of terminals	Cage connectors
Terminal capacity	2 x 1.5 mm ² or 1 x 2.5 mm ²
Tool	Flat 3.5 mm or Philips no. 1 or Pozidrive no. 1 or combined size 0



3.4 Conduit connection

Type of conduit:

- IRL: formerly IRO, insulating rigid smooth tube
- ICA: insulating flexible bendable corrugated tube
- ICTA: insulating flexible transversally bendable elastic corrugated conduit
- ICTL: insulating flexible transversally bendable - elastic smooth conduit

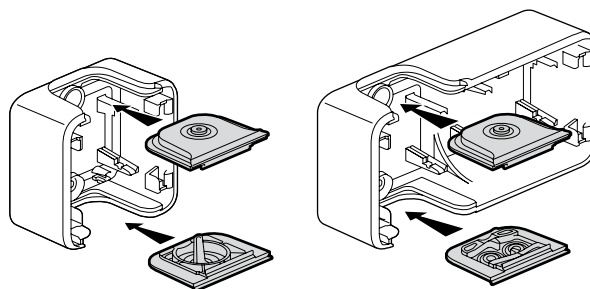
Ø 16
- 25 mm

Cables (examples):

- rigid conductors: U - 1000R2V 3G2.5
- flexible conductors: H07 RN - F 3G2.5

Type of entry gland: flexible with membrane, 2 removable types.

- entry gland with 1 entry supplied with 1-gang box (top and bottom)
- entry gland with 1 entry supplied with 2-gang and 3-gang boxes (top)
- entry gland with 2 entries supplied with 2-gang and 3-gang boxes (bottom).



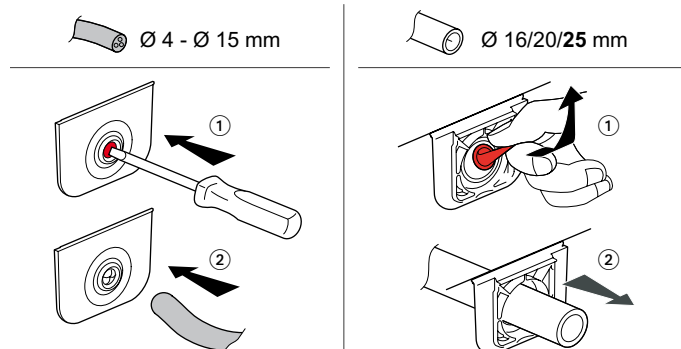
Plexo

Automatic switches

Cat. No(s): 695 00/01/02

3. INSTALLATION (continued)

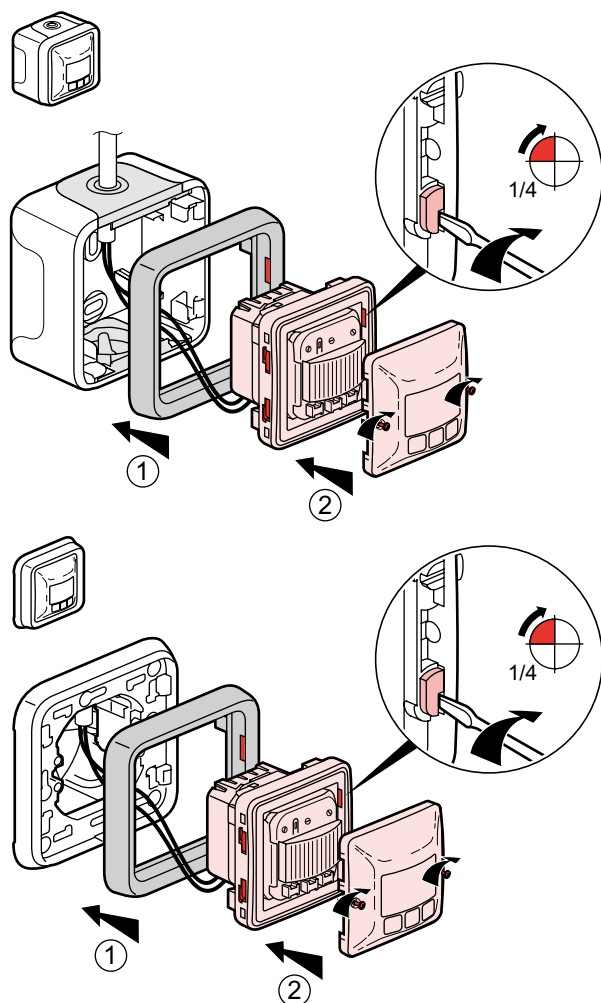
3.4 Conduit connection (continued)



Also available as accessories:

- 695 96 grey entry gland 1 entry
- 695 99 grey entry gland 2 entries
- 696 46 white entry gland 1 entry
- 696 49 white entry gland 2 entries

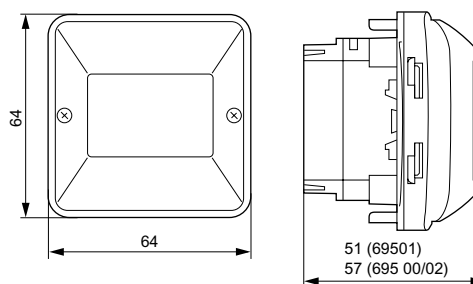
3.5 Assembly



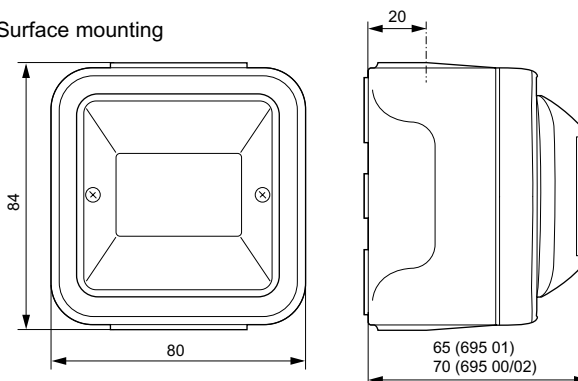
IP55 sealing of the front part (cover) on the box is ensured by rotating four 1/4 turn fixings.

4. DIMENSIONS

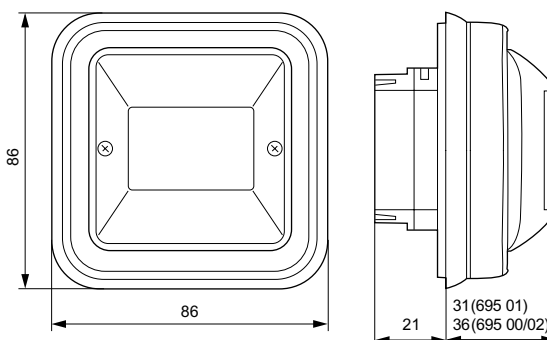
Composable



Surface mounting

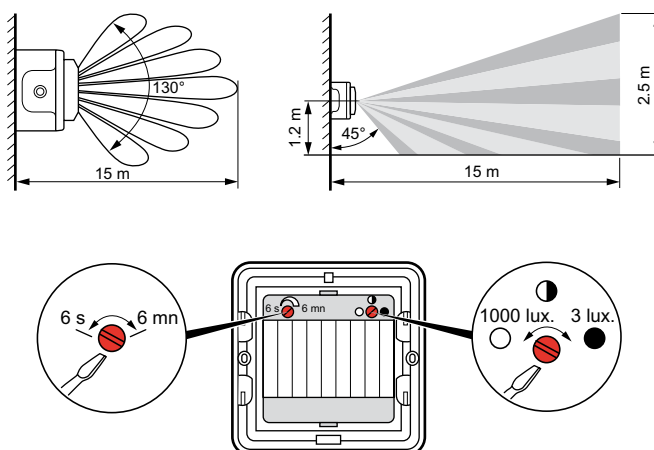


Flush mounting



5. OPERATION

5.1 Detection 695 00



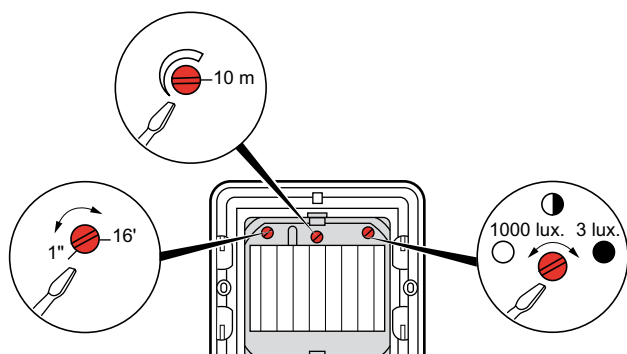
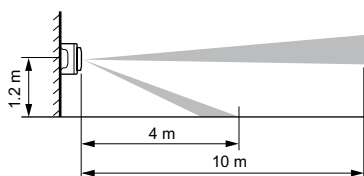
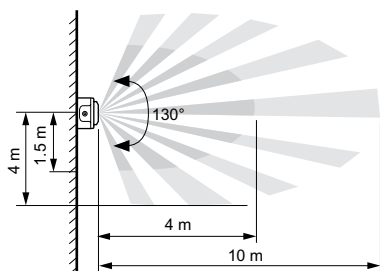
Plexo

Automatic switches

Cat. No(s): 695 00/01/02

5. OPERATION (continued)

5.2 Detection 695 01/02



6. GENERAL CHARACTERISTICS

6.1 Mechanical characteristics

Protection rating:

- IP 55 IK 07 (695 00/02)
- IP 55 (695 01)

6.2 Material characteristics

Box : PP (filled Polypropylene)

Plate : ABS (Acrylonitrile-Butadiene-Styrene)

Cover : PE (Polyethylene)

Mechanism : PC (Polycarbonate)

6.3 Resistance to chemicals

	Behaviour
Acetone	-
Acetic acid (10%)	+
Acetic acid (m 30%)	+
Aminosulphonic acid	-
Boric acid *	+
Hydrobromic acid (47%)	-
Hydrochloric acid *	-
Chromic acid	+
Citric acid *	+
Hydrofluoric acid *	-
Formic acid	-
Formic acid	+
Linoleic acid	-
Maleic acid	+
Nitric acid (30%)	-
Nitric acid (50 %)	-
Perchloric acid (10%)	+
Benzenesulphonic acid	-
Phosphoric acid *	-

Sulphuric acid	+
Tannic acid *	-
Tartaric acid *	+
Ethanol	+
Isopropyl alcohol	+
Methyl alcohol (methanol)	-
Phenylethylalcohol (100%)	-
Ammonia	+
Baths for electroplating:	
- Bright silver bath	+
- Bright cadmium bath	+
- Chromium plating bath (50°C)	+
- Copper bath (with potassium cyanide)	+
- Copper bath (acid)	+
- Pickling bath with chemical copper plating	+
- Brass bath	+
- Bright nickel bath	+
Barium	
- Barium chloride *	+
- Barium hydroxide *	+
- Barium nitrate *	-
Benzene	-
Beer	+
Calcium hypochlorite *	+
Cobalt chloride *	-
Cupric chloride *	-
Ferrous chloride *	-
Manganese chloride	-
Mercuric chloride *	-
Methylene chloride	-
Chlorine water (wet gaseous chlorine)	-
Sea water	+
Fertiliser	+
Epichlorohydrin	-
Heavy gasoline	-
White spirit	-
Turpentine	-
Essential oils	+
Linseed oil	+
Lubricating oil	+
Machine oil	+
Mineral oil	+
Paraffin oil	+
Fish oil	+
Castor oil	+
Silicon oil	+
Humus	+
Aqueous hydrogen sulphide	+
Hypochlorite of soda (10%)	+
Fruit juice	+
Milk	+
Chlorinated lye	+
Margarine	+
Fuel oil	+
Mercury	+
Methyl methacrylate	-
Silver nitrate *	+
Cobalt nitrate *	+
Manganese nitrate *	+
Mercuric nitrate *	+
Nickel nitrate *	+
Lead nitrate *	+
Pétrole, éther de pétrole	-
Petroleum, petroleum ether	+
Silicate (Potassium, Sodium)	+
Sodium	
- Sodium acetate *	+
- Sodium bromate *	+
- Sodium chloride * (salt)	+

Plexo

Automatic switches

Cat. No(s): 695 00/01/02

6. GENERAL CHARACTERISTICS *(continued)*

6.3 Resistance to chemicals

Caustic soda $\leq 40\%$	+
Monomer styrene	-
Sugar	+
Trichloroethylene	-
Urine	+
Wine	+

*all concentrations in aqueous solution

Key: + resistant - unstable

This information is given as a guide only and can not be construed as an undertaking on the part of the manufacturer.

Please contact us for specific uses.

6.4 Resistance to ultraviolet radiation

No notable alteration following the 7 day test with 550 W/m² power lighting (Colorimetric measurement using lab method).

6.5 Resistance to salt spray: 7 days (168 hrs)

6.6 Electrical characteristics

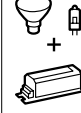
- Self-extinguishing in accordance with IEC 60695-2-11:
components (or parts) required to secure live parts: 850° C
components (or parts) not required to secure live parts: 650° C
Voltage: 110 - 230 V~
Frequency: 50 Hz

Power levels 695 00

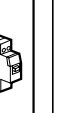
			
	①	②	
230 V	Max. 300 W	300 W	
	Min. 60 W	60 W	
110 V	Max. 150 W	150 W	
	Min. 60 W	60 W	

- 1 - Incandescent lamp
- 2 - Halogen lamp
- 3 - Very low voltage halogen lamp with ferromagnetic or electronic transformer
- 4 - Fluorescent tube
- 5 - Fluocompact lamp
- 6 - Fluocompact lamp with separate transformer
- 7 - Fan motor
- 8 - Switch
- 9 - Very low voltage halogen lamp with ferromagnetic transformer
- 10 - Very low voltage halogen lamp with electronic transformer

Power levels 695 01

				
	①	②	⑨	⑩
230 V	Max. 400 W	400 W	400 VA	400 VA
	Min. 40 W	40 W	40 VA	40 VA
110 V	Max. 200 W	200 W	200 VA	200 VA
	Min. 40 W	40 W	40 VA	40 VA

Power levels 695 02

								
	①	②	③	④	⑤	⑥	⑦	⑧
230 V	1000 W	1000 W	500 VA	500 VA	500 VA	500 VA	100 VA	1 max. < 2 A
110 V	500 W	500 W	250 VA	250 VA	250 VA	250 VA	50 VA	1 max. < 1 A

6.7 Climatic characteristics

Storage temperature: - 25° C to + 60° C

Operating temperature: - 5° C to + 35° C

7. MAINTENANCE

Clean surface with dry cloth or cloth soaked in soapy water.

Do not use acetone, tar remover or trichlorethylene

Caution: A prior test is required before using specific cleaning products.