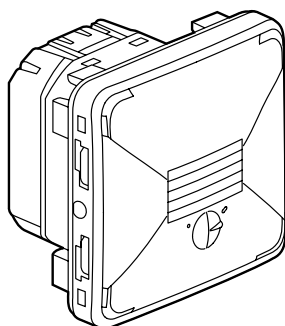
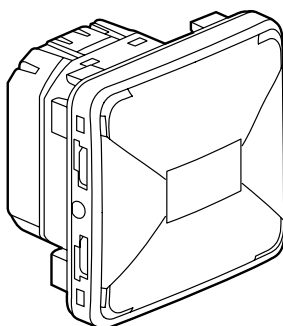


Plexo light-sensitive switch
Photoelectric cell

Cat. No(s): 695 17/18 - 696 17



695 17 - 696 17



695 18

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1. TECHNICAL CHARACTERISTICS

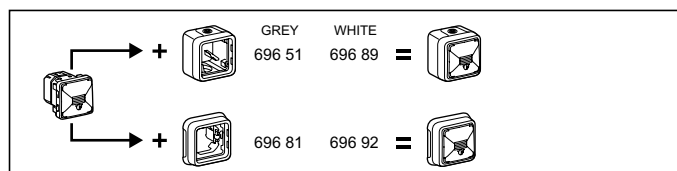
Weatherproof system designed for residential and professional technical rooms (i.e. garages, cellars, car parks, workshops, industrial kitchens, etc.) and outdoor environments (terraces, gardens, camp sites, etc.).
Light-sensitive switches: the light comes on at nightfall and goes out at dawn. one-piece unit with built-in cell.

Photoelectric cell: for use with modular light-sensitive switches (Cat. Nos 037 21/23/25), controls the switching on of light at nightfall and switching off at dawn.

2. RANGE

Cat. Nos	
695 17 696 17	grey module white module
695 18	grey module

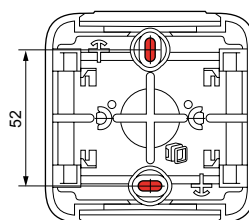
Designation	Catalogue numbers	Characteristics	Connection	Weight	
DRESSABLE		695 17 696 17	1400 W incandescent 400 VA fluorescent adjustable from 0.5 to 1500 lux	Screw terminals 2 x 1.5 mm² 1 x 2.5 mm²	80 g
		695 18		Screw terminals 2 x 1.5 mm² 1 x 2.5 mm²	80 g



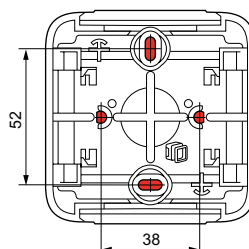
3. INSTALLATION

3.1 Surface mounting

- When back body is mounted on the support using two screws, diameter 3 mm to max. 4 mm.

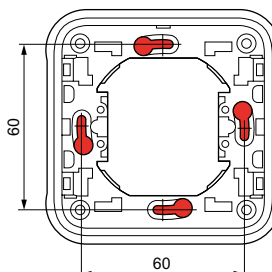


- Replaces former series Plexo 55

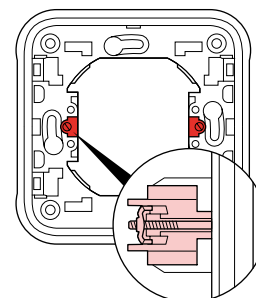


3.2 Recessed mounting

- Screw-mounted in recessed case



- Claw-mounted in recessed case



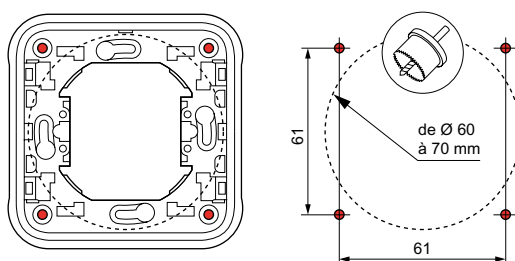
Claws usable for mounting:
Cat. no. 849 00 or
Cat. no. 849 01 (long claws)

Plexo light-sensitive switch Photoelectric cell

Cat. No(s): 695 17/18 - 696 17

3. INSTALLATION (continued)

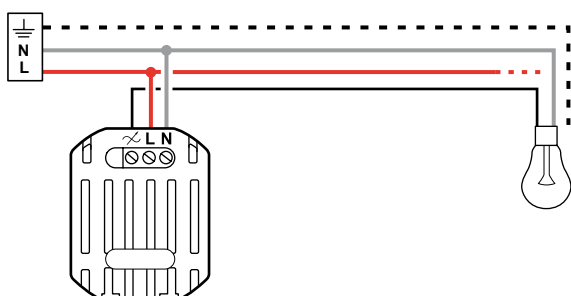
- Mounting on base plate using 4 screws, dia. 4 mm.
Opening cut in base-plate, diameter 60 mm to 70 mm using a hole saw or a punch dia. 60 to 70 mm.



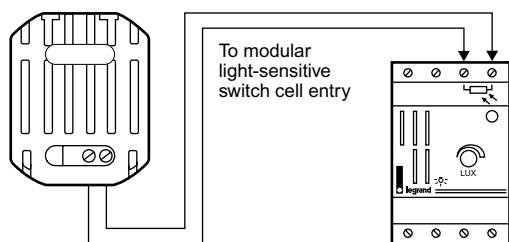
3.3 Connection to conductors

- Screw-terminal mechanism (flathead screwdriver, 3.5 mm blade)

3.3.1 695 17 - 696 17



3.3.2 695 18



Cat. Nos 037 21/23/25

3.4 Connection to conduits

Conduit types:

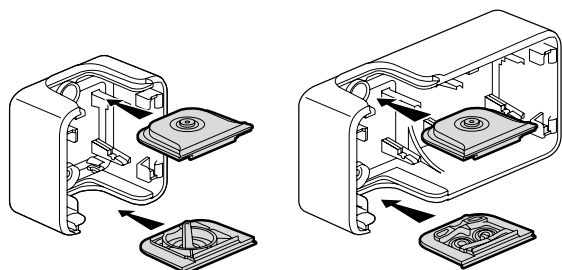
- Insulating rigid smooth tube
 - Insulating flexible bendable corrugated tube
 - Insulating flexible transversally bendable elastic corrugated conduit.
 - Insulating flexible transversally bendable elastic smooth conduit.
- Ø 16-25 mm

Cables (examples):

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

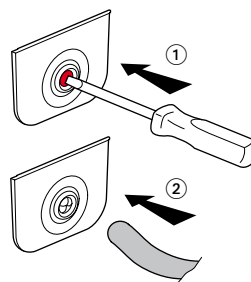
End pieces: flexible with membranes, 2 removable types.

- entry gland with 1 entry supplied with 1-gang boxes (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).

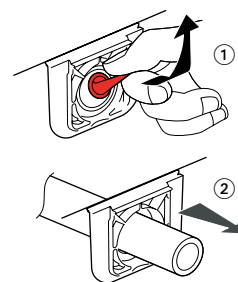


3.4 Connection to conduits (continued)

dia. 4 - dia. 15 mm



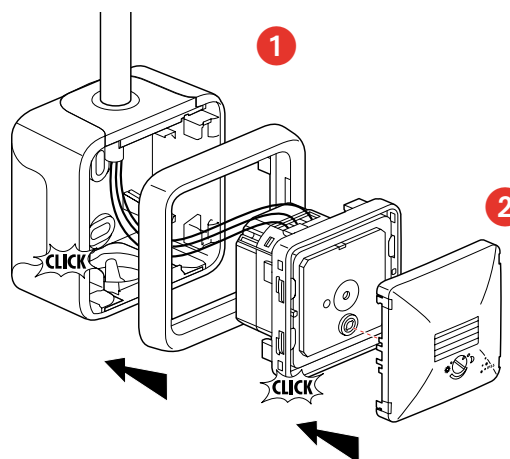
dia. 16/20/25 mm



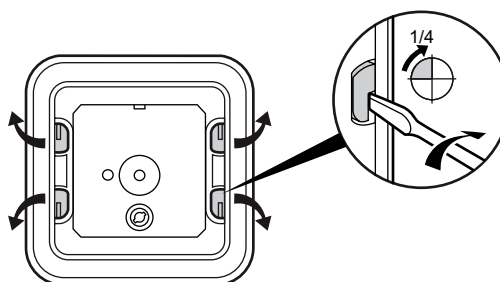
Also available as accessories:

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

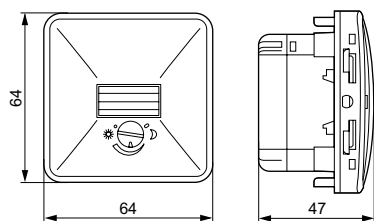


Plexo light-sensitive switch Photoelectric cell

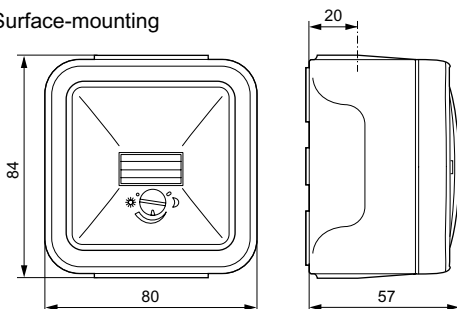
Cat. No(s): 695 17/18 - 696 17

4. OVERALL DIMENSIONS

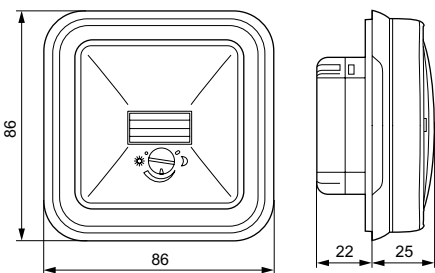
Dressable



Surface-mounting



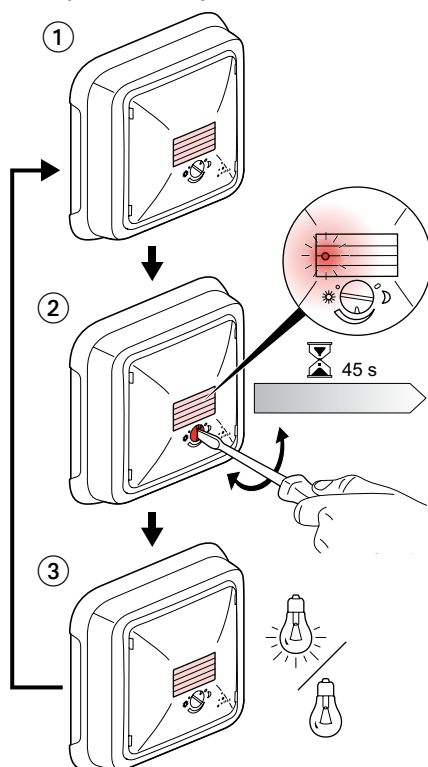
Flush-mounting



5. OPERATION

5.1 Luminosity setting (695 17 - 696 17)

- Luminosity threshold adjustable from 0.5 to 1500 lux.



6. GENERAL CHARACTERISTICS

6.1 Mechanical characteristics

Penetration of solids/liquids: IP 55 (C15-100) IK07

6.2 Materials characteristics

Materials

Box, support: PP (filled Polypropylene)

Plate, rocker: ABS (Acrylonitrile-Butadiene-Styrene)

Entry gland, front plate: PP + SEBS (Styrene-Ethylene-Butadiene-Styrene)

Mechanism: PC (Polycarbonate)

6.3 Resistance to chemical agents

	Characteristics
Acetone	-
Acetic acid, 10% solution	+
Acetic acid, ≥ 30 % solution	+
Aminosulfonic acid	-
Boric acid *	+
Hydrobromic acid, 47% solution	-
Hydrochloric acid*	-
Chromic acid	+
Citric acid*	+
Hydrofluoric acid*	-
Formic acid	-
Lactic acid *	+
Linoleic acid	-
Maleic acid	+
Nitric acid, 30 % solution	-
Nitric acid, 50 % solution	-
Perchloric acid, 10% solution	+
Phenol-sulfonic acid	-
Phosphoric acid*	-
Sulphuric acid	+
Tannic acid *	-
Tartaric acid *	+
Ethanol	+
Isopropyl alcohol	+
Methanol	-
Phenyl ethanol, 100% solution	-
Ammonia	+
Baths for electroplating:	
- Bright silver bath	+
- Bright cadmium bath	+
- Chromium bath (50°C)	+
- Copper bath (with potassium cyanide)	+
- Copper bath (acid)	+
- Cleaning bath with chemical copper plating	+
- Brass bath	+
- Bright nickel bath	+
Barium	
- Barium chloride*	+
- Barium hydroxide*	+
- Barium nitrate*	-
Benzene	-
Beer	+
Lime chloride *	+
Cobalt chloride *	-
Copper chloride *	-
Ferrous chloride *	-
Manganese chloride	-
Mercury chloride *	-
Methylene chloride	-
Chlorine vapour (damp gaseous chlorine)	-
Sea water	+
Fertiliser	+
Epichlorhydrine	-
Heavy spirit	-
Mineral spirit	-
Turpentine spirit	-
Essential oils	+
Linseed oil	+
Lubricating oil	+

Plexo light-sensitive switch

Photoelectric cell

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6. GENERAL CHARACTERISCS (continued)

6.3 Resistance to chemical agents (continued)

Machine oil	+
Mineral oil	+
Liquid paraffin	+
Fish oil	+
Castor oil	+
Silicone oil	+
Humus	+
Aqueous hydrogen sulphide	+
Sodium hypochlorite, 10% solution	+
Fruit juice	+
Milk	+
Chlorinated detergent	+
Margarine	+
Fuel oil	+
Mercury	+
Methyl methacrylate	-
Silver nitrate *	+
Cobalt nitrate *	+
Manganese nitrate *	+
Mercury nitrate *	+
Nickel nitrate *	+
Lead nitrate *	+
Oil, petroleum ether	-
Silicate (Potassium, Sodium)	+
Syrup (beetroot)	+
Sodium	
- Sodium acetate*	+
- Sodium bromate*	+
- Sodium chloride* (salt)	+
Caustic soda ≤ 40 % solution	+
Monomer styrene	-
Sugar	+
Trichloroethylene	-
Urine	+
Wine	+

* all concentrations in aqueous solution

Interpretation: + resistance - instability

No significant change after 7-day test with light intensity 550 W/m²
(Lab method colorimeter test).

6.4 Resistance to ultra-violet radiation

No significant change after 7-day test with light intensity 550 W/m²
(Lab method colorimeter test).

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

6.6 Electrical characteristics

- Voltage - Current - Frequency

10 AX-250 V~ 50 Hz according to NF EN 60669-1, NBN EN 60669-1 and IEC 60669-1

						
1400 W	1400 W	500 VA	500 VA	400 VA-40 µF	400 VA-40 µF	1 max. < 2 A

6. GENERAL CHARACTERISCS (continued)

- 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

6.7 Climatic characteristics

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

7. MAINTENANCE

Surfaces may be cleaned using a cloth, either dry or with soapy water.
Do not use acetone, spirits or trichloroethylene.

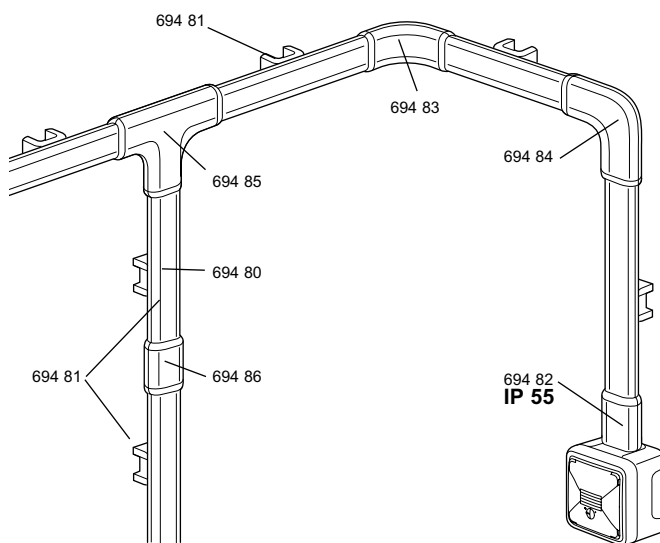
Caution: conduct preliminary tests before using any specific cleaning product.

8. SPECIFICS UTILISATIONS

Installations with profile.

The Plexo profile distribution system provides:

- Distribution, protection and branch connection of various wires and cables in an electrical installation.
- A profile, finishing and routing accessories (profile joint, weatherproof universal junction, flat angle, internal angle, external angle, branch connection, bracket).
- 4 new solution for installing weatherproof surface-mounting wiring devices in domestic and occasionally commercial technical premises.
- Optimum safety and reliability due to compliance with standard NFC 68-102 (IP 41, IK 07).



- Refer to the specific technical data sheet for Plexo profile, technical data sheet: F00386EN/00

Cat. Nos	Description
694 80	Plexo profile 2.00 m long capacity equivalent to an insulating rigid smooth tube, dia. 25 mm
694 81	Plexo profile bracket
694 82	IP55 weatherproof universal connection
694 83	Plexo profile internal/external angle
694 84	Plexo profile flat angle
694 85	Plexo profile tee
694 86	Plexo universal junction