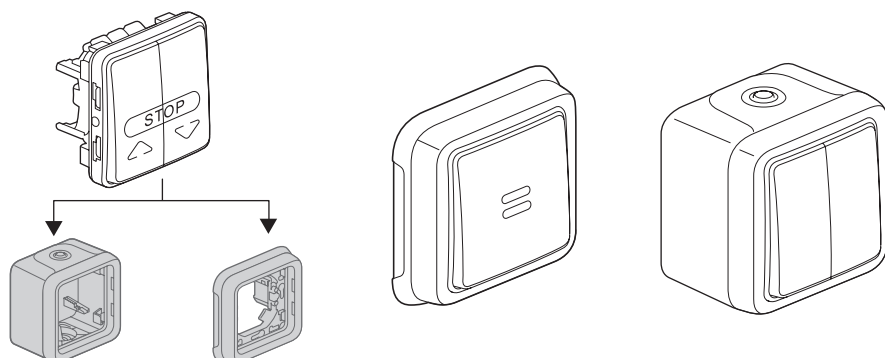


# Plexo Push Buttons

Cat. Nos : 695 39/40/41/42/43/44/45/46  
696 30/31/32/33/34/35/36  
697 19/20/21/22/23/24/25/29/60/62/64/65/69  
698 21/22/24/25/61/62/64/65



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| 4. Dimensions . . . . .                  | 3    |
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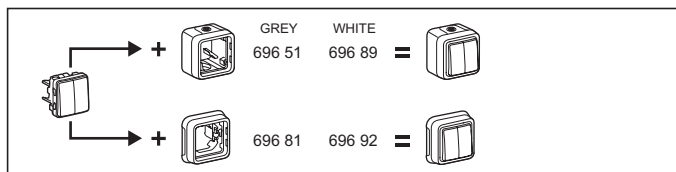
## 1. TECHNICAL CHARACTERISTICS

Weatherproof wiring device 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).  
10 A - 250 V~ lighting control mechanisms with or without identification components (indicators) or signalling components (markings). All illuminated and indicator products are supplied with their lamps fitted.

## 2. RANGE

| Cat. No.         | 2 versions: grey and white                           |
|------------------|--|
| 695 xx<br>696 xx | Composable   |
| 697 xx<br>698 xx | Complete surface mounting<br>Complete flush mounting |

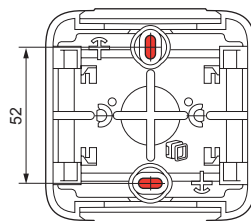
| Description    | Cat.No.  | Characteristics  | Connection     |                |
|----------------|--|--|----------------|----------------|
| COMPOSABLE<br> | 695 39/40/41/42/43/44/45/46<br>696 30/31/32/33/34/35/36<br>699 27/28/29/30/47/48/49/50 | 10 A - 250 V~  | Auto terminals |                |
|                | COMPLETE<br>   | 697 19/20/21/22/23/24/25/29<br>697 60/62/64/65/69<br>699 06/07/17/69 | 10 A - 250 V~  | Auto terminals |
|                |  | 698 21/22/24/25<br>698 61/62/64/65                                   | 10 A - 250 V~  | Auto terminals |



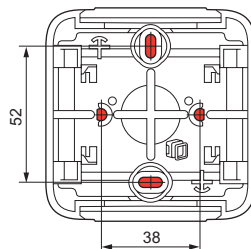
## 3. INSTALLATION

### 3.1 surface mounting

- by screwing back box onto support using two Ø 3 mm - Ø 4 mm max. screws.
- drilling template available, Cat. No. 695 97 (see page 5).

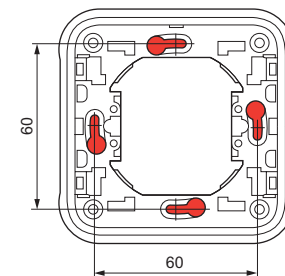


- replacing former Plexo 55 series

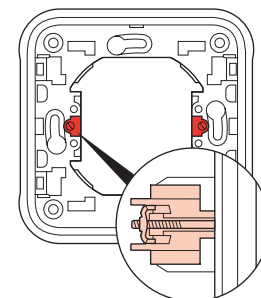


### 3.2 flush mounting

- with screws on flush box



- with claws on flush box



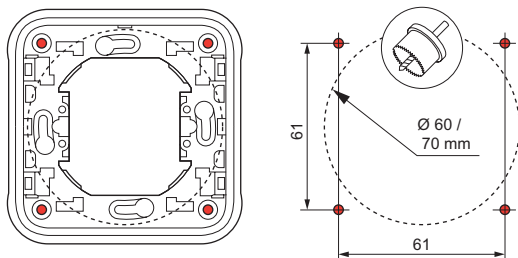
Possibility of fitting claws:  
Cat. No. 849 00 or  
Cat. No. 849 01 (long claws)

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## 3. INSTALLATION (continued)

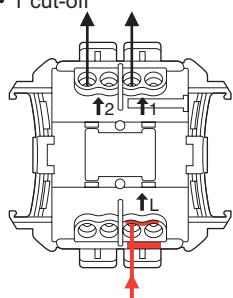
- on solid faceplate using 4 Ø 4 mm screws.  
 Drill support material (diameter 60 - 70 mm) using hole saw or hole punch



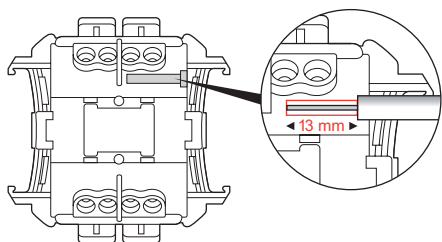
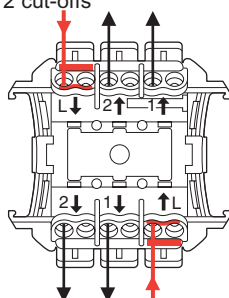
### 3.3 Conductor connection

- Mechanisms with automatic terminals

• 1 cut-off



• 2 cut-offs



Wires must be stripped over a length of 13 mm. A rear side template for the socket outlet ensures wires are stripped to the correct length. Terminal capacity is 1.5 mm - 2.5 mm (1 or 2 conductors)

### 3.4 Conduit connection

Type of conduit:

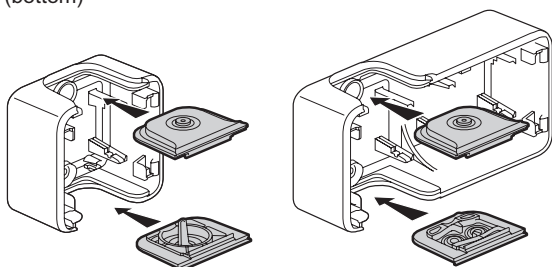
- IRL : formerly IRO, insulating rigid smooth tube
  - ICA : insulating flexible bendable corrugated tube
  - ICTA : insulating flexible transversally bendable elastic corrugated conduit
  - ICTL : insulating flexible transversally bendable elastic smooth conduit
- } Ø 16 - 25 mm

Cables (examples):

- rigid conductors: U - 1000R2V 3G 2.5
- flexible conductors: H07 RN - F 3G 2.5

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

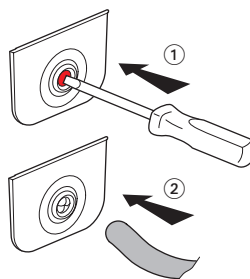
- entry gland with 1 entry supplied with 1 gang box (top and bottom)
- entry gland with 1 entry supplied with 2 gang and 3 gang boxes (top)
- entry gland with 2 entries supplied with 2 gang and 3 gang boxes (bottom)



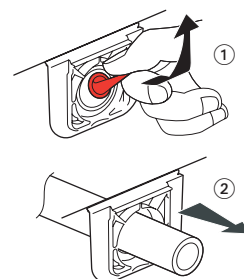
## 3. INSTALLATION (continued)

### 3.4 Conduit connection (continued)

Ø 4 - Ø 15 mm



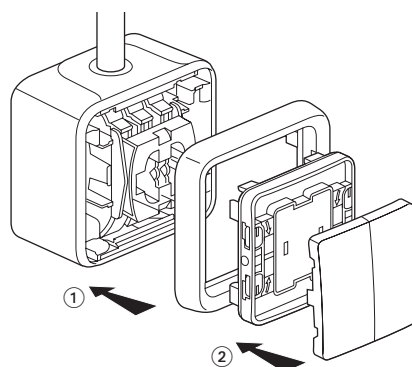
Ø 16/20/25 mm



Also available as accessories:

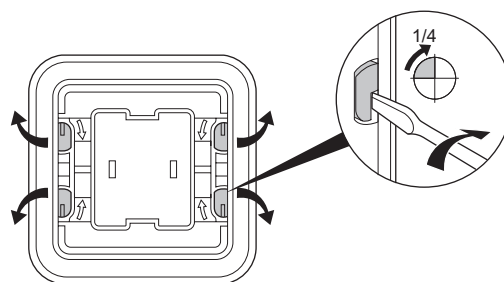
- 695 96 grey entry gland 1 entry
- 695 99 grey entry gland 2 entries
- 696 46 white entry gland 1 entry
- 696 49 white entry gland 2 entries

### 3.5 Assembly



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

The direction of rotation of each 1/4 turn fixing is shown by an arrow on the cover.

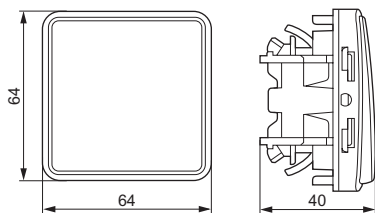


# Plexo Push Buttons

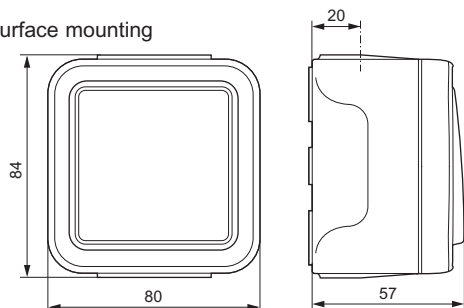
Cat. Nos : 695 39/40/41/42/43/44/45/46  
 696 30/31/32/33/34/35/36  
 697 19/20/21/22/23/24/25/29/60/62/64/65/69  
 698 21/22/24/25/61/62/64/65

## 4. DIMENSIONS

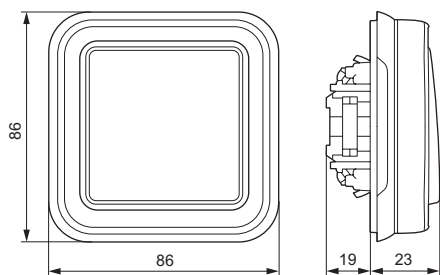
Composable



Surface mounting



Flush mounting



## 5. GENERAL CHARACTERISTICS

### 5.1 Mechanical characteristics

Protection rating:  
 - IP 55 IK 07

### 5.2 Material characteristics

#### Materials

Box, support: PP (filled Polypropylene)  
 Plate, rocker: ABS (Acrylonitrile-Butadiene-Styrene)  
 Entry gland, trim: PP + SEBS (Styrene-Ethylene-Butadiene-Styrene)  
 Mechanism: PC (Polycarbonate)

### 5.3 Resistance to chemicals

Behaviour

|                              |   |
|------------------------------|---|
| Acetone .....                | - |
| Acetic acid (10%) .....      | + |
| Acetic acid ≥ (30%) .....    | + |
| Aminosulphonic acid .....    | - |
| Boric acid* .....            | + |
| Hydrobromic acid (47%) ..... | + |
| Hydrochloric acid* .....     | - |
| Chromic acid .....           | + |
| Citric acid* .....           | + |
| Hydrofluoric acid* .....     | - |
| Formic acid .....            | - |
| Lactic 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* .....                            | - |
| Benzène .....                                      | - |
| 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* .....                                | + |
| Petroleum, petroleum ether .....                   | - |
| Silicate (Potassium, Sodium) .....                 | + |
| Syrup (beetroot) .....                             | + |
| Sodium   |   |
| - Sodium acetate* .....                            | + |
| - Sodium bromate* .....                            | + |
| - Sodium chloride* (salt) .....                    | + |

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## 5. GENERAL CHARACTERISTICS (continued)

### 5.3 Resistance to chemicals

|                            |   |
|----------------------------|---|
| Caustic soda ≤ (40%) ..... | + |
| Monomer styrene .....      | - |
| Sugar .....                | + |
| Trichloroethylene .....    | - |
| Urine .....                | + |
| Wine .....                 | + |

\*all concentrations in aqueous solution

### Key: + resistant - unstable

This information is given as a guideline only and cannot be construed as an undertaking on the part of the manufacturer. Please contact us for specific uses.

### 5.4 Resistance to ultraviolet radiation

No notable alteration following the 7 day test with 550 W/m<sup>2</sup> power lighting (Colorimetric measurement using Lab method)

### 5.5 Resistance to salt spray: 7 days (168 hrs)

### 5.6 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- Current - Frequency
- 10 A - 250 V~ 50 Hz in accordance with NF EN 60669-1, NBN EN 60669-1 and IEC 60669-1

### 5.7 Climatic characteristics

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

## 6. MAINTENANCE

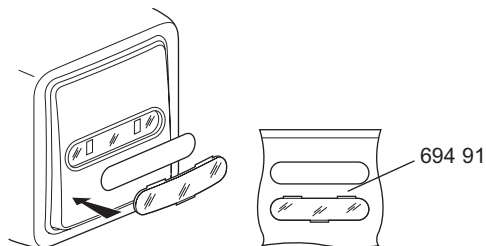
Clean surface with dry cloth or cloth soaked in soapy water. Do not use acetone, tar remover or trichloroethylene

Warning: a prior test is required before using specific cleaning products.

## 7. LABEL HOLDER

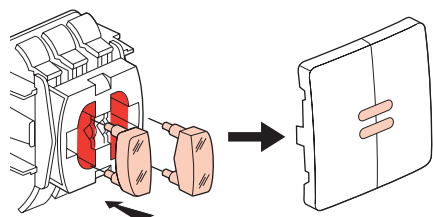
695 43/44 - 696 33/34  
 698 24/25/64/65

**Note :** label holder buttons are supplied with one 12 V lamp but can operate with 230 V lamp (see accessories on page 5).



## 8. DOUBLE ILLUMINATED PRODUCTS

695 46 - 696 36



## 9. SPECIFIC USES

Installations with profile.

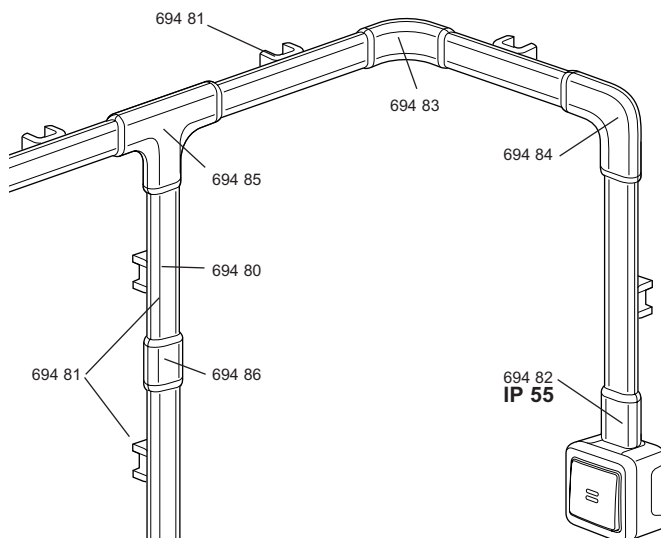
The Plexo profile distribution system provides:

- 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)

- a new solution for installing weatherproof surface mounting wiring device installations in domestic and occasionally tertiary technical situations.

- optimum safety and reliability due to compliance with standard NFC 68-104 (IP 42, IK 07)












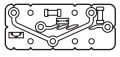




| Cat. Nos. | Description   |
|-----------|---|
| 694 80    | Plexo profile, 2.00 m long, capacity equivalent to an IRL Ø 25 mm |
| 694 81    | Plexo profile bracket   |
| 694 82    | IP55 weatherproof universal connection                            |
| 694 83    | Plexo profile internal/external angle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

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

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 698 21/22/24/25/61/62/64/65

## 10. EQUIPMENT AND ACCESSORIES

| Description  | Uses   | Cat. No. | Colour |
|--|--|----------|--------|
| Label holder + label<br>                | 30/100 <sup>th</sup> PVC label for label holder products   | 694 91   | -      |
| 230 V 1 mA green fluorescent lamp<br>   | Large lamp for single illuminated buttons only   | 694 96   | -      |
| 230 V 0.5 mA green fluorescent lamp<br> | Illuminated marker   | 694 97   | -      |
| 230 V 1 mA orange neon lamp<br>         | Illuminated indicator  | 694 98   | -      |
| 12 V 15 mA green fluorescent lamp<br>   | Illuminated marker   | 694 99   | -      |
| Entry gland 1 entry<br>                 | Used to provide an aesthetic connection between boxes and cables up to and including Ø 16 mm     | 695 96   | Grey   |
| Entry gland 2 entries<br>              |  | 696 46   | White  |
| Entry gland 2 entries<br>              |  | 695 99   | Grey   |
| Entry gland 2 entries<br>              |  | 696 49   | White  |
| Drilling template<br>                 | Used for fast identification of mounting centre distances of all boxes                           | 695 97   | -      |
| Set of 4 covers<br>                   | Used to blank mounting holes at bottom of boxes  | 695 98   | Grey   |
| Multi-cable gland  | (PG) Ø 7 - 14 mm   | 696 53   | -      |
| Standard claw<br>                     | Clips on to all single gang flush mounting supports  | 849 00   | -      |
| Long claw<br>                         |  | 849 01   | -      |
| Branch connection terminal block<br>  | Direct connection after stripping rigid conductors Terminal capacity: 0.75 - 2.5 mm <sup>2</sup> | 343 22   | -      |

## 11. CONFORMITY AND APPROVALS

- Products manufactured in accordance with the following standards:
  - French NF EN 60669-1
  - Belgian NBN EN 60669-1
  - International IEC 60669-1
- NF USE agreement in accordance with NF EN 60669-1

| Quality marks   | Standards      | Certification no.                |
|---|----------------|----------------------------------|
|    | NF EN 60669-1  | LCIE<br>N° 563293A<br>27/11/2007 |
|    | NBN EN 60669-1 | Pending                          |
|    | EN 60669-1     | Pending                          |
|    | DIN EN 60669-1 | Pending                          |
|    | EN 60669-1     | N° 131-241-00<br>31/05/2007      |
|    | EN 60669-1     | Pending                          |
|  | UNE-EN 60669-1 | Pending                          |