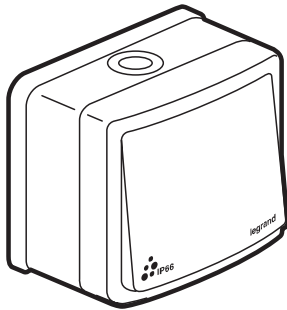
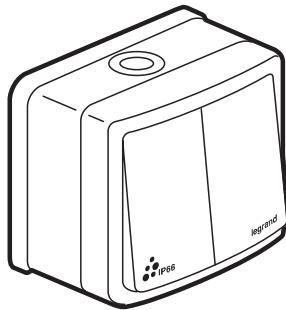


Plexo 66 two-way switch

Cat. No(s) : 6846 03/04/05 - 6845 53/54/55



6846 03



6846 04

CONTENTS

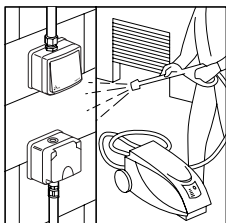
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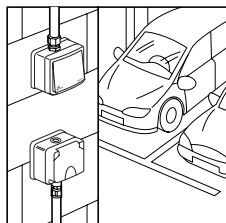
1. EXAMPLES OF USE

SERVICE INDUSTRY

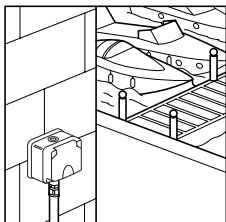
Jet cleaning of foam
 canon
 (agri-food industry)
 < 90 bars < 80°



Garage

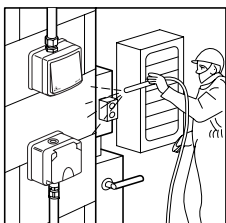


Port

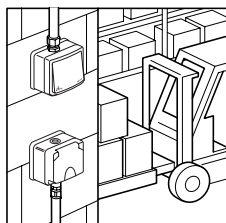


SEMI-INDUSTRIAL

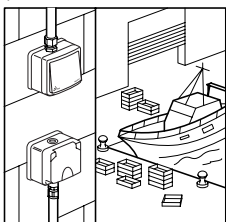
Car wash and wash unit



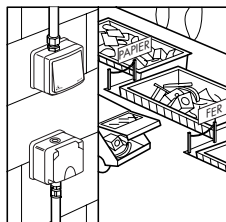
Shock risk.
 Warehouse - Traffic



Auction rooms,
 port facilities



Organic waste storage sites
 (rubbish dumps, farm sites)
 Gas emissions



2. GENERAL CHARACTERISTICS

Watertight products intended to be installed inside or outside premises subject to :

- frequent cleaning (jet cleaner at 70 to 90 bars, 70 à 80° C
- disinfectants
- aggressive chemicals
- bad weather
- shocks

Lighting control mechanism with a transparent indicator lamp to facilitate locating it (ref. 6846 05, 6845 55).

3. RANGE

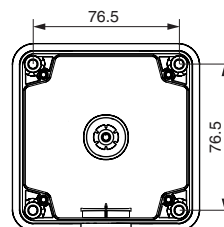
Description	Integrated ref. Grey	Modular réf. White
1 gang - 2 way single pole	6846 03	6845 53
2 gangs - 2 way single pole	6846 04	6845 54
1 gang - 2 way + neon single pole	6846 05	6845 55

4. INSTALLATION

4.1. Fixing

- Screw the back box on the support using 2 x 4 - 4.5 mm Ø screw

IP 66 watertight whatever the surface



4. INSTALLATION (continued)

4.2 Connecting to conductors

Screw terminal supplied open with screw unscrewed and held in place

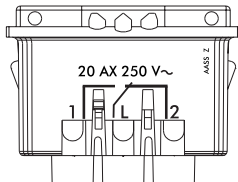
Min. capacity 1 x 1.5 mm²

Max. capacity 3 x 2.5 mm², 2 x 4 mm²

Suitable screwdrivers :

- 3.5 to 5 mm flat blade
- Plat

Wiring diagram



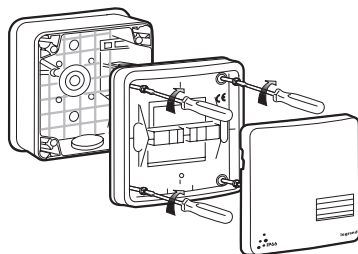
- connection to conductors

4.3 Assembly

4 coarse-pitch screws are used to ensure that the front part (cover mechanism) of the box is kept locked.

(Min. tightening torque for IP 66 : 0.5 Nm).

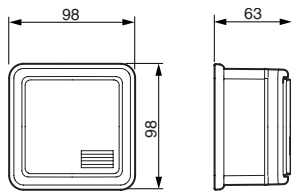
Modular devices can be fitted on all boxes with 2.3 positions placed horizontally or vertically ref. : 904 91/92/93.



5. DIMENSIONS

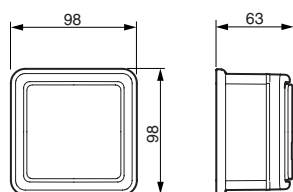
Integrated ref. 6846 05

With lamp
(bulbs ref. 899 01/02/06/07)



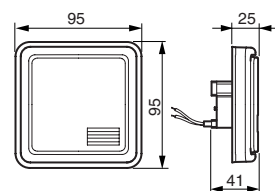
Integrated ref. 6846 03/04

Without lamp



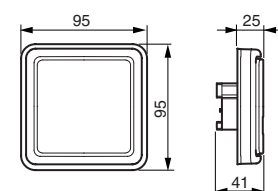
Modular ref. 6845 55

With lamp
(bulbs ref. 899 01/02/06/07)



Modular ref. 6845 53/54

Without lamp



6. TECHNICAL CHARACTERISTICS

6.1 Mechanical characteristics

class of protection : IP 66 IK 08 (resistance to 5-joule shocks)

6.2 Material characteristics

Halogen-free material

Materials and colours :

- Box and cover : light grey glass-fibre polypropylene
- T029 (compliant with plastic industrial boxes)
- Rocker plate : RAL 7016 charcoal grey ABS
- Polycarbonate mechanism : RAL 7016 grey
- Cover fixing screws : stainless steel
- Elastomer seals : black
- Integrated RAL 9010 box and cover

Resistance of chemical agents

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 %	+
Phenol-sulphonic acid	-
Phosphoric acid *	-
Sulfuric acid	-
Tannic acid *	-
Tartaric acid *	-
Ethyl alcohol	+
Isopropyl alcohol	+
Methyl alcohol (methanol)	+
Phenyl ethyl alcohol 100 %	-
Ammonia	-
Metal plating bath :	
- Bright silver bath	+
- Bright cadmium bath	+
- Chrome 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	+
Chlorinated lime *	+
Cobalt chloride *	-
Copper chloride *	-
Ferrous chloride *	-
Manganese chloride	-
Mercury chloride *	-
Methylene chloride	-
Chlorinated water (liquid chlorine gas)	-
Seawater	+
Fertiliser	+
Epichlorhydrin	-
Low-gravity petrol	-
Mineral spirit	-

6. TECHNICAL CHARACTERISTICS (continued)

Resistance to chemical agents	Behaviour
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 washing powder	+
Margarine	+
Fuel-oil	+
Mercury	+
Methyl methacrylate	-
Silver nitrate *	+
Cobalt nitrate *	+
Manganese nitrate *	+
Mercury nitrate *	+
Nickel nitrate *	+
Lead nitrate*	+
Petroleum oil, petroleum ether	-
Silicate (potassium, sodium)	+
Syrup (beet)	+
Sodium	
- Sodium acetate *	-
- Sodium bromate *	-
- Sodium chloride* (salt)	+
Caustic soda ≤ 40 %	+
Monomer styrene	-
Sugar	+
Trichlorethylene	-
Urine	+
Wine	+

* all concentrations in aqueous solution

Key

- + resistant
- unstable

This information only provides an indication and cannot therefore represent any commitment on our part.

Resistance to UV :

No noticeable change in appearance after 7-day test involving exposure to irradiance ≈ 550 W/m² (colorimetric measurement based on laboratory method).

Resistance to products : - chlorinated pH 10-11
 - alkaline pH 9-10
 - acid pH 3

Resistance to saline mist : 7 days (168 hours)

6.3 Electrical characteristics

Self-extinguishing in accordance with 695-2-11
 Enclosures : 650° C
 Mechanisms in contact with live parts : 850° C
 Voltage intensity/frequency, two-way, bipolar two-way :
 - 20 AX 250 V±, in accordance with BS-EN 60 669-1

6.4 Climatic characteristics

Storage and operating temperatures : - 20° C to + 40° C

6. TECHNICAL CHARACTERISTICS (continued)

6.5 Environmental characteristics

Halogen - free material

7. MAINTENANCE

Jet cleaning, max. : 90 bars - water : 80° C
 Superficial cleaning with a dry cloth or cloth soaked in soapy water.
 Acetone, tar remover or trichloroethylene must not be used.

Caution : test specific cleaning products first before using them.

8. EQUIPMENT AND ACCESSORIES

Supplied with Capvis wire connectors for connecting the neutral.

8.1 Bulbs

Indicator or identification lamp



- 899 01 12 V Incandescent white - Consumption 0.4 W
- 899 02 24 V Incandescent white - Consumption 0.8 W
- 899 07 230 V Fluorescent green, low-energy
- 899 06 230 V Neon orange, high luminescence, for timers, doorbells with door release in the dark.