PRODUCT ENVIRONMENTAL INFORMATION

# Pilot devices
## Compact pilot lights CL

ABB pilot devices are engineered for total reliability. Our products are tested to extremes and proven in the toughest environments. Their innovative designs simplify the entire process, from selection to installation.

The compact pilot lights CL are the most efficient solution reducing both installation time and cost thanks to the all-in-one design.
It is perfect for tough environment thanks to the market leading level of dust and water resistance.

## Product conformity & compliance

**REACH (Regulation EC 1907/2006)**
ABB pilot devices and related accessories were classified as articles and, during normal and reasonably foreseeable conditions of use, do not intentionally release any substance or preparation.
ABB continuously undertakes communications throughout its supply chain in order to collect information about suppliers' compliance with REACH regulation.

**SVHC (Regulation EC 1907/2006 REACH)**
ABB continuously assesses its products for content of Substances of Very High Concern (SVHC), as included in the "Candidate List" by the European Chemicals Agency (ECHA). According to our best knowledge, ABB pilot devices and related accessories do not contain SVHC substances exceeding 0.1 % w/w.

**RoHS II**
ABB pilot devices and related accessories are within the scope of directive 2011/65/EU (RoHS II) and amendment 2015/863, starting from July 22 2019.

**WEEE**
The Waste Electrical and Electronic Equipment Directive (WEEE Directive) is the European Community directive on waste electrical and electronic equipment (WEEE) which, together with the RoHS directive, became European law in February 2003.

**Product safety**
Compliance with essential health and safety requirements has been assured by compliance with the applicable product and safety standards. The validation according to the product and safety standards is carried out by third party tests laboratory (STIEE / TL030) in respect of the EN ISO/IEC 17025 European standard, according to IECEE CB scheme. CB certificate has been issued.

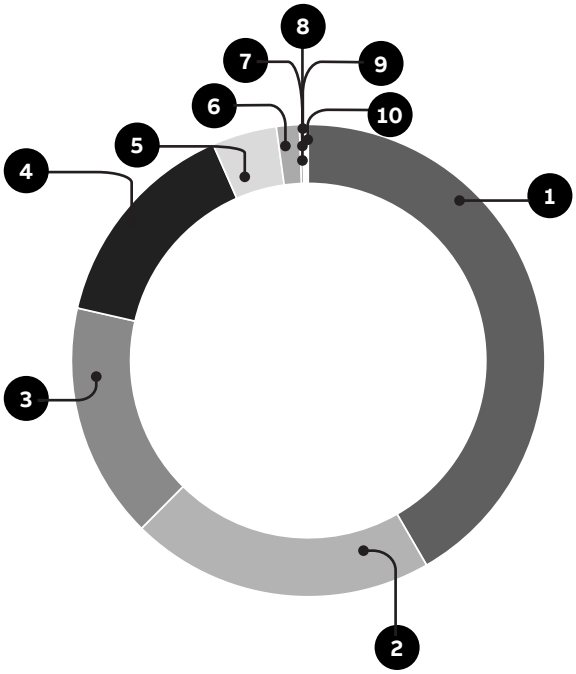
Standard:
- UL508
- CSA C22.2 No.14
- IEC/EN60947-1
- IEC/EN60947-5-1
- IEC/EN 60073
- IEC/EN 60529

Directives:
- Low Voltage Directive No. 2014/35/EU

## Material declaration

The charts below show the constituents of CL2-523R which represent the range of compact pilot lights CL. The constituent materials are distributed as follows.

**CL2-523R. The total weight of the product is 19.2 gr.**

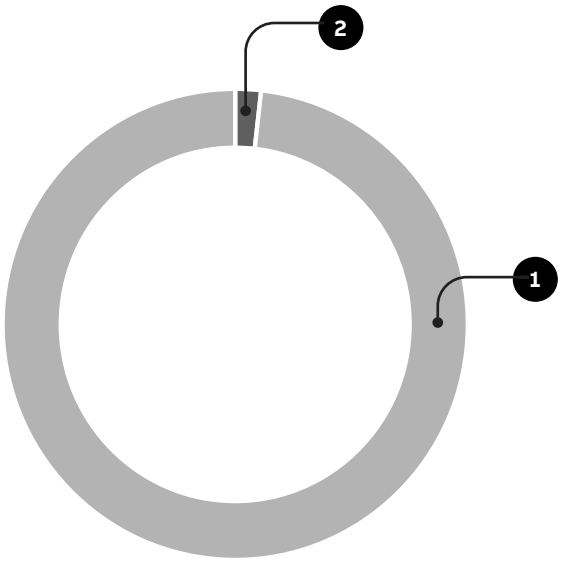



| Material | | % wt |
|---|---|---|
| 1 | PA | 41.7 % |
| 2 | Steel | 20.8 % |
| 3 | PCBA | 16.31 % |
| 4 | PC | 14.8 % |
| 5 | POM | 4.4 % |
| 6 | Rubber | 1.6 % |
| 7 | Zinc | 0.12 % |
| 8 | Copper | 0.1 % |
| 9 | Nickel | 0.1 % |
| 10 | Chrome | 0.08 % |
| | TOTAL | 100 % |

## Packaging

The charts below provide information for each packaging material used. The paper and polymers used for the product material are 100% recyclables. The polymer films used are marked with the proper identification code and are recyclable.

**CL2-523R**
**Packaging material composition: total weight = 0.37 gr.**




| Material | | % |
|---|---|---|
| 1 | Polymers | 98.2 % |
| 2 | Paper | 1.78 % |
| | TOTAL | 100 % |

## Product use

**Energy**
Power losses for compact pilot lights are indicated in the following table:

| Type | Power loss (W) |
|---|---|
| CL2-501* | 0.2 |
| CL2-502* | 0.4 |
| CL2-506* | 0.1 |
| CL2-507* | 0.1 |
| CL2-513* | 1.5-1.8 |
| CL2-515* | 1 |
| CL2-520* | 1.5 |
| CL2-523* | 2.5-3.5 |
| CL2-542* | 6.5 |
| CL2-623* | 3.8 |

* can be R, G, Y, L, C

## End-of-life

At the end of operating life, constituent components of ABB pilot devices have been optimized in order to reduce waste amount and increase recovery of the material. Metals and polymers contained into ABB pilot devices are characterized by high recycling rates. Most plastic parts are marked for easy sorting.

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