PRODUCT ENVIRONMENTAL INFORMATION

Pilot devices

Modular LED blocks P9PL

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.

Modular LED blocks P9PL is our most versatile range with high level of flexibility and market leading electrical ratings. Engineered for total reliability, longer lifetime, and highest mechanical durability. Self-cleaning contacts ensure reliable operation without the need for maintenance, increasing uptime. High degree of protection guarantee reliability in extreme environments. The innovative design simplifies the entire process, from selection to easy and quick, tool-free installation. The perfect solution for every application.

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 2012/19/EU on waste electrical and electronic equipment (WEEE) which, together with the RoHS directive 2002/95/EC, 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.

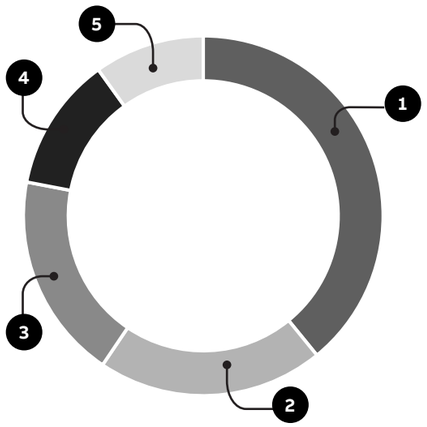
Standards:
- UL508
- CSA C22.2 No.14
- IEC/EN60947-1
- IEC/EN60947-5-1
- IEC/EN 60073
- IEC/EN 60529

Directives:
- Low Voltage Directive No. 2014/35/EU
- EMC Directive No. 2014/30/EU

Material declaration

The charts below show the constituents of P9PLNVBR which represent the range of modular LED blocks P9PL. The constituent materials are distributed as follows.

P9PLNVBR The total weight of one product is 11.9 gr.

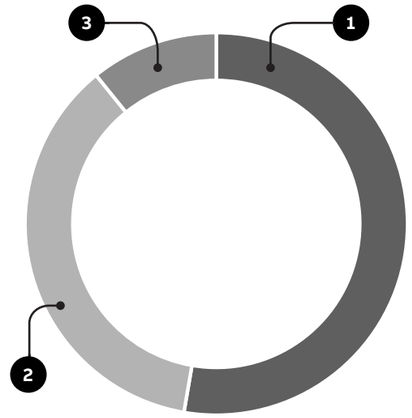


Material	% wt
1 PA	39.1 %
2 Zinc alloy	20.3 %
3 PC	18.6 %
4 PCBA	12.1 %
5 Copper	9.9 %
TOTAL	100 %

Packaging

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

P9PLNVBR packaging material composition: total weight = 5.7 gr.



Material	%
1 Cardbox	53.0 %
2 Plastic	36.0 %
3 Paper	11.0 %
TOTAL	100 %

Product use

Energy
Power consumption for LED lamp blocks are indicated in the following table:

Type	Power consumption (W)
P9PLFVDA, P9PLFVDB, P9PLFVDG, P9PLFVDL, P9PLFVDR, P9PLFVDV, P9PLNVDB, P9PLNVDG, P9PLNVDL, P9PLNVDR, P9PLNVDV	0.48
P9PLFVJB, P9PLFVJG, P9PLFVJR, P9PLNVJB, P9PLNVJG, P9PLNVJL, P9PLNVJR, P9PLNVJV	2.4
P9PLFVNB, P9PLFVNG, P9PLFVNR, P9PLNVNB, P9PLNVNG, P9PLNVNL, P9PLNVNR, P9PLNVNV	4.6

End-of-life

At the end of operating life, constituent components of modular LED blocks P9PL have been optimized in order to reduce waste amount and increase recovery of the material. Metals and polymers contained into modular LED blocks P9PL are characterized by high recycling rates. Most plastic parts are marked for easy sorting.

ABB Electrification Sweden AB
Motor Starting & Safety
Motorgränd 20
721 32 Västerås, Sweden

abb.com/lowvoltage

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