



Electrical installation solutions for buildings

Installation materials

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Installation materials

ABB installation materials are continuously developed in cooperation with installers, paying close attention to easy and quick installation, high quality and reliability. They are designed to be compatible with each other and suitable for different installation situations and building methods.

ABB installation materials are:



- **Future oriented.**
Offering customized solutions, following trends and future requirements for building constructions like prefabrication and modularity, supported by BIM models.



- **Environmentally friendly.**
Choosing the materials with minimal environmental impact, minimizing waste and managing product environmental data in a transparent way.



- **Well documented.**
The right information always easily available for each customer. Products are fully documented including ETIM data supporting digital sales.

Advantages of ABB installation materials:

- **Wide choice** of installation materials, meeting different worldwide requirements and installation habits.
- **Efficient, easy and fast installation.** Products are easy and fast to install and they enable efficient installation of wiring accessories and KNX products. Effective project execution brings overall cost-efficiency.
- **Reliable connections** in hollow, concrete and stone structures. Faulty installations are expensive and difficult to fix. Therefore we put effort in ensuring that the connections are reliable.
- **Quality material with specific properties used.** Material properties are selected to withstand demanding environments like fire, high temperature variations, frost, rain, etc.
- **Environmentally friendly.** Products are halogen free.
- **Safety.** Installation materials are designed to meet the highest requirements in regard to health and safe operation.
- **Special applications available.** Special applications to fire retardant walls and exterior walls (airtight solutions) are available.
- **Innovation based on cooperation with a customers and their needs**



Installation materials

A comprehensive offering

Conduits and accessories

Piping materials and accessories are developed to work as a system with ABB installation boxes and are easy to adapt to different installations. The piping materials ensure a safe and cost-efficient installation. Product range offers great variety of products as conduit extensions and adaptors, conduit bends, conduit end pieces and sleeves and accessories for concrete casting applications. Product colour coding helps customers to choose easier the right accessory size.



Conduit extensions and adaptors



Conduit bends



Concrete casting accessories



Conduit end pieces and sleeves



Other conduit accessories

Installation materials

A comprehensive offering

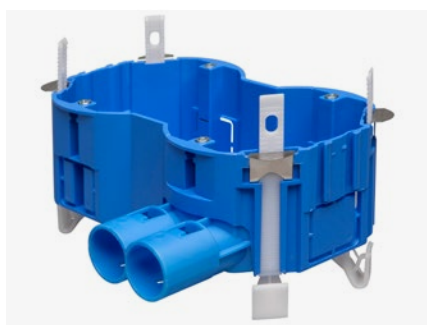
Flush mounted boxes

A wide variety of flush mounted junction and installation boxes, accompanied with accessories, helps installers work in an efficient and flexible way. The customer will find a suitable solution for any type of building or wall: brick or solid walls, various hollow or dry walls. Special solutions like for fire retardant walls or air tight and sound proof walls are also available (complying with relevant standards). The products are made of high quality halogen free plastic materials.

Hollow wall boxes



HW52-F



HW252-F



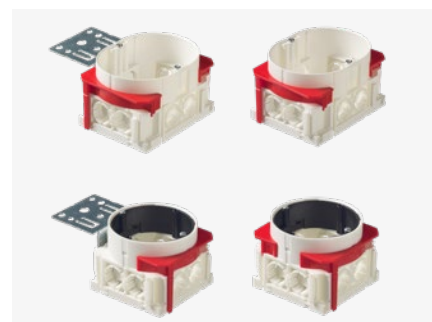
3050-H



System Ideal



System ABB



Nordic smart boxes



AUS74 front mounted boxes range

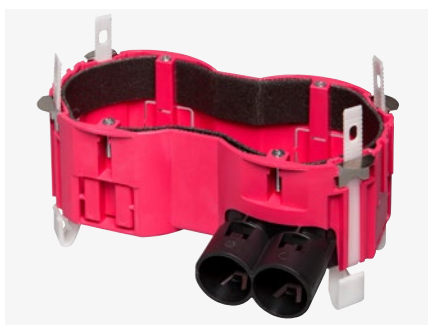
Installation materials

A comprehensive offering

Hollow wall boxes for special applications



HW52-F BW
Fire retardant



HW252-F
Fire retardant



BWCV165B
Fire retardant ceiling box



HW52F-IGD
Soundproof and airtight insert for
HW52-F



HW252-F IGD
Soundproof and airtight insert
for HW252-F



HW252-F IGD BW
Soundproof, airtight and fire retardant
insert for HW52-F

Solid (brick) wall boxes



MD4050



DD-12
RFID detector



3040-U

Concrete boxes

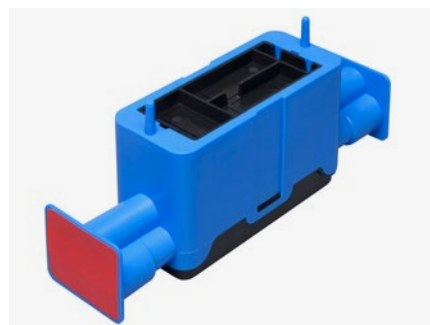
Concrete boxes used in precast concrete constructions as well as on site casting with moulds



C80r-16/19



C60



PMK80



MGD50



G153



G251



AU5.2



AU8.73

DCL Lighting outlets EN61995



Installation materials

A comprehensive offering

Surface mounted boxes

Discover growing portfolio of ABB surface mounted junction boxes for different types of applications. Boxes come in different shapes, sizes and IP ratings to match to each application requirement. Different colours of AP9 boxes can be used to improve the overview of different installations (e.g. green boxes for KNX, red boxes for fire or alarm systems etc.). The surface mounted box solutions are fast and reliable in all conditions.

Indoors



AP6



AP12



4206-D



4201-D



3611



3611W2



3611GB4



3640-D



3640W4

Indoors


3640W2-G



3640GB33

Outdoors or wet spaces


AP7



AP75



3665



AP9



AP10

Special applications


KM8/16
Cable joint for underground use

Installation materials

ABB Plug & Play

ABB Plug & Play is a concept that conveys convenience, efficiency, speed and time savings. Standard ABB products are re-configured to a customer's specification, ready for installation; Plug & Play.

A smart combination of boxes, wiring accessories and covers with plug & play connectors guarantees efficient, quick and highly reliable installation.

Through all the preparations in the design phase and the assembly of parts by ABB, the installation will be effortless and at lightning speed.

Examples:

