



New S and N range housing
Easy Connect Technology & Double-
Chamber Cage Connection Terminals

The new S and N range housing

Innovative connection technologies



The new housing provides two different connection possibilities:
Double-Chamber Cage Connection Terminals and Push-in Terminals.

General facts

ABB invented a totally new housing for all time relays and measuring & monitoring relays in S range with innovative connection technologies. In form and design the new housing meets both: ABB's latest design standards and EPR's requirements on a sophisticated product. All devices are available with both innovative Push-in Terminals and State of the Art Double-Chamber Cage Connection Terminals.

Easy Connect Technology

Thanks to the innovative new Push-in Terminals, the devices with Easy Connect Technology can be wired much more quickly and easily – without the need of tools. For example, rigid or flexible wires with wire-end ferrules can be connected without any need of a tool. Even flexible wires without ferrules can be directly connected, here the cage must be opened with a screwdriver before. To release the wires the cages have to be opened with a tool.

The Push-in Terminal is suitable for the following wire sizes: rigid or fine-strand with wire-end ferrule, 1 x 0.5...1.5 mm² or 2 x 0.5...1.5 mm² / 1 x 20...16 AWG or 2 x 20...16 AWG.

These Push-in Terminals are completely secure, thus ensuring that the equipment is gas-tight and the perfect solution for vibrating environment.

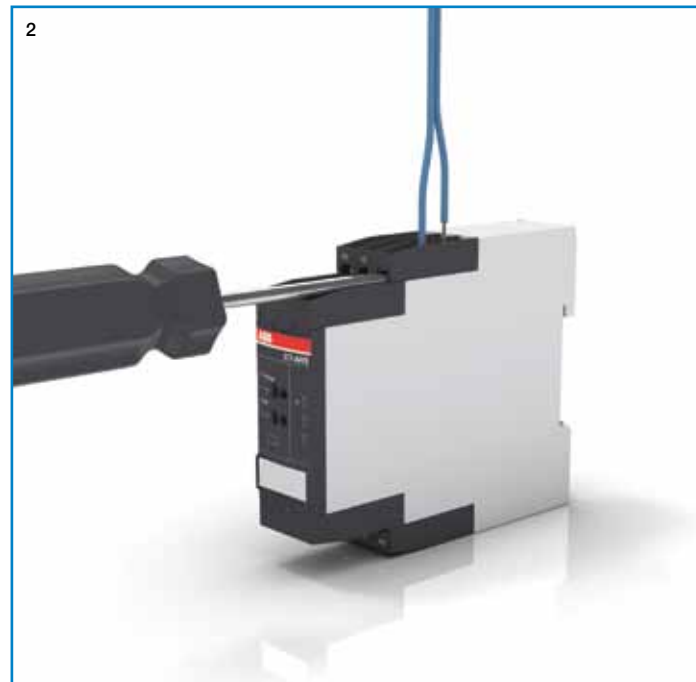
Double-Chamber Cage Connection Terminals

The screw terminals can be connected with two wires with different wire diameters up to 2,5 mm². According to IEC/EN 60947-1 two rigid or fine-strand wires with ferrules up to 2,5 mm² (AWG14) can be used.

Flexibility

Both solutions, Double-Chamber Cage Connection Terminals and Push-in Terminals, have exactly the same design and size. Both versions can thus be interchanged at any time or positioned alongside each other in a switchboard. With this new housing ABB offers the world wide first complete range of industrial products with Push-in Terminals.

1 The devices with Easy Connect Technology can be wired quickly and easily without tools | 2 To release the wires the cages have to be opened with a tool



The advantages at a glance

- Push-in Terminals or Double-Chamber Cage Connection Terminals in 22,5 or 45 mm industrial housing
- Designed for worldwide use and to meet international standards for voltages up to 690 V according to UL
- Equipped with maximum 12 double chamber terminals
- Available with a sealable transparent cover
- Integrated marker label
- DIP switches hidden under the marker label for extended functionality
- Complete setup via front face
- Direct reading scales and clear, extended marking
- 1 or 2 change-over output contacts
- Configurable output contacts: 1 x 2 or 2 x 1 c/o contact depending on the functionality and number of thresholds
- Dials protected against overtightening
- DIN rail snap-on housing

