



### 1.1. Overview

TS-DB Series indoor Distribution Points are of 10, 20, 30, & 50 pairs Insulation Displacement. Contact (IDC) type. They are used for Indoor wire termination in buildings. The TS-DB indoor Distribution Points can be installed in two ways: direct wall installation and wall embedded installation. When it is embedded in the wall, an additional shell is supplied and used. Models, specifications and dimensions are as follows:

Model	Specifications	Structural	Dimensions (H*W*D )
DB 30P IND	10/20/30 P	Common wall installation	180*170*75mm
DB 60P IND	60P	Common wall installation	213*190*105mm
DB 100P IND	100P	Common wall installation	279*210*105mm

### 1.2. Shapes and Components

Common shape for wall direct installation as shown below:

The TS-DB Indoor Distribution Point are composed of a case, cover, and a frame for mounting IDC modules.

The cover is equipped with locking arrangement.

The connection and disconnection of the loop can be controlled by insertion and removal of the plug. Wire compression connecting, cable layout and wire removal are operated from the front, which makes a clear layout and easy to operate.

### 1.3 Main Technical Indicators

- 1) Environmental conditions: Temperature:  $-20^{\circ}\text{C} \sim 40^{\circ}\text{C}$ ; Relative humidity:  $<85\%$  ( $+ 30^{\circ}\text{C}$ ); Atmospheric pressure:  $70\text{kPa} \sim 106\text{kPa}$
  - 2) Surface requirements and surface treatment: plastic surface should be smooth, flat, no bubbles, no blisters, no cracks; In addition to stainless steel rear mounting bracket for the outer surface of other metal plating, corrosion or conductive role to play, and the smooth, does not wrinkle, no cracking.
  - 3) The functional requirements  
3.1 will be a line connected to a pair of external paint up. 3.2 Identification Function (screen printing).
  - 4) All the plastic components are made of fire retardant PBT materials or fire retardant ABS. The combustion performance reaches GB / T 5169.7-1985 standard. Fire retardant performance is FV94-0 level.
- the contact resistance between the reed:
- 1) under standard test conditions, the contact resistance of the contact spring between the two phases is not more than  $20\text{m}\Omega$ , after the high temperature test, a low temperature test, the test temperature and humidity test, the contact resistance value is not more than  $3\text{m}\Omega$ .
  - 7.2 Connect the plug (or test plug) into the test position, plug 200 times, reed contact resistance value between the two connected, should not exceed  $3\text{m}\Omega$ .
  - 5) into the end of the contact resistance:
    - a) 1 under standard test conditions into the end of the terminal wire and a contact resistance of less than  $3\text{m}\Omega$ . Contact resistance value
    - b) will continue into the side has been completed following the test after not more than  $2\text{m}\Omega$ .

Test items are as follows: a) high-temperature test; b) low-temperature test; c) temperature change test; d) heat test; e) vibration test. c) wire connecting the test, the contact resistance value is not more than  $2\text{m}\Omega$ .
  - 6) Repetitive use and insertion The Distribution Point is of high standard and design. It is suitable for repetitive use and insertion.

Tightness. not corrosion area should be more than 50% of the total contact area.

Pull-off force: The vertical bearing pull force of compression connected wire along the slot is not less than  $25\text{N}$

The vertical bearing pull force of compression connected wire along the slot is not less than  $25\text{N}$  ( $0.5\text{mm}$  diameter).

7) the outside is a normally closed off the module, in circuit (jump) outside in is not inserted into the open plug when all was channel state.

Resistance to vibration: vibration test, wiring module shall comply with the following requirements: a) security unit shall comply with the following all requirements. A) Plastic parts without cracking, no damage, no loosening of assembly; b) outside on the ground should be able to reliably discharge; c) inside and outside the line between the stable resistance