

Assembly instructions
for
cable termination frame
60131 (2 - 5 bays)



1.General

The cable termination frames are conceived for erection in dry indoor rooms. They serve for the insulated accommodation of:

- cable sets
- cable sleeve
- terminals
- transmitters
- or other components.

Frames of 2 - 5 bays are available. These can be aligned side by side and are designed for one-sided allocation. For two-sided allocation, the frames can also be mounted "back to back".

The type of construction of the cable termination frames ensures a fully electrically insulated erection. (Double rails to the frame/housing and housing to wall and to the floor). The mounting of the devices can be carried out with hook screws or similar mounting elements.

2.Erection and function

The cable termination frames are divided into a sleeve area, which is provided with a plug door with screw fastening, and a bay area.

The sleeve area is equipped with two horizontally fitted, insulated double rails and one earth bus bar. The double rails have a distance of 12 mm, this way, bow clamps can also be used for catching the cables. The separation between sleeve area and bay area is carried out with two supplied insertion boards.

The bay area is designed for one-sided allocation. The bay measurement is 152 mm and the fastening measurement is 146 mm ex works. The fastening measurement 114 mm or 252 mm of the double rails can be altered easily.

There are four guide rings (vertical fitting) and one jumper wire holder (horizontal fitting) available for each double rail for a clear connecting wire guide. For measuring purposes, an earthing screw is supplied, which can be fitted anywhere on a double rail.

The floor fastening of the frame is carried out with two floor rails, which are fitted with the supplied dowels and screws. The floor rails can be fastened variable on the left or the right on the floor. The frame is then pushed in from the side.

The cable termination frames can be used insulated, free standing or as wall fitting. Wall fitting with the supplied insulators as distance holders.

If the wall is uneven or if there is a deviation of the rectangularity wall/floor, it must be observed that a minimum distance of 10 mm is complied with over the entire frame height. Level floors are required for a firm stand of the frames. The two plug-in doors for the side cover of the sleeve area are not part of the delivery extent and must be ordered separately. (2 off order n.: 23127)

3. Assembly

3.1 Erection

Single erection:

The following mounting steps are required for the floor or wall mounting of the cable termination frames:

- a) For wall mounting, there are two insulators and a strap to be fitted at the back of the frame with hexagon screws M8x12 and washers.
- b) The frame is to be placed at the intended erection site for marking the floor and wall mounting points.
- c) Drilling and inserting the supplied dowels for:
floor mounting: dowel S14, hexagon wood screw 10x80
wall mounting: dowel S12, hexagon wood screw 8x60
- d) Push the cable termination frame in and fasten it.

Double erection:

For the “back to back” mounting of two cable termination frames, there are two hexagon screws M8x12 in the separate packet.

- a) Two insulators are fitted at the side parts of the first frame with hexagon screws M8x12 and washers.
- b) Erect the second frame and fit to the two insulators with hexagon screws M8x12 and washers.

Side by side:

For the side by side line-up of several cable termination frames, the adjoining side surfaces of the frames must be screwed together with 2 hexagon screws M8x12 and washers.

When lining up cable termination frames with other frame types (i.e. FG-C), different wall distances occur due to different construction depths. These are compensated with the insulators. The screwing together of the different frames can therefore only be carried out at the front vertical side struts. Further dismantled components are not required for the line up.

3.2 Mounting the wire guide elements

The components for the mounting of the wire guide rings are in the separate packet. 4 wire guide rings (plastic version) are distributed along the length for each double rail and screwed together with a tap hole plate (nut) and a cheese-head screw M6x20.

3.3 Adjusting the bays

In delivery condition, the double rails are mounted on a bay width of 152 mm. To set other bay widths (i.e. 120 mm or 258 mm), the retaining screws at the vertical double rails are released. Now the double rails can be moved in the grid measure. When setting 258 mm (= 1 1/2 bays), one double rail is spare and is removed.

3.4 Cable insertion

The cable insertion is carried out from below into the cable termination frame/sleeve area. Distribution or end sleeves can be mounted on the horizontal double rails. After completed device mounting at the vertical double rails, the insertion boards must be equipped with the relevant recesses. Afterwards the sleeve area is covered with the finished boards.

3.5 Earthing

Dependant on application, it must be differentiated between the different earthing requirements. For utilisation of the (path earth) operating earth, the insulated, horizontal or vertical earthing rail mounted in the sleeve area must be used.

For measuring purposes, a supplied earth screw is mounted on one of the mounting rails. The required connection is carried out with a 2.5 mm² line. (The line is not part of the delivery extent). The connection side must be covered with a contact protection.

3.6 Device mounting

Transmitter, end terminations or other devices are mounted on the vertical mounting rails with hook screws or other similar mounting elements, dependent on type of construction. The guide rings are provided for the connecting wire guide.

Exclusion of liability

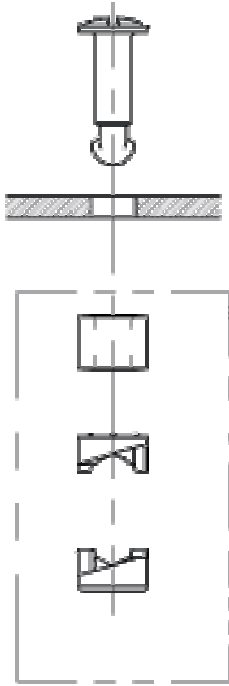
The STS Signal Technik Sprenger GmbH accepts no liability for damages, which are due to a usage of the product other as the one here described.

Note on disposal

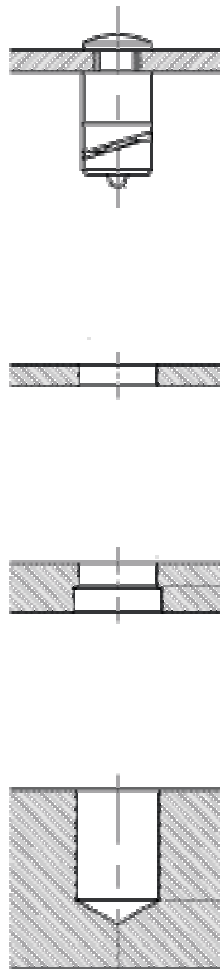
Please observe the disposal guidelines valid for this product.

Mounting instruction quick closures
for
sleeve area door / side door
at the
cable termination points
60131 (2 - 5 bays)

not mounted



mounted



closed

