Claims

1. Wall installation connection box unit, comprising

- a box housing body (1) having a rear-side base portion (2) and a sleeve portion (3) projecting forward from the base portion, which sleeve portion peripherally surrounds an installation component mounting space (4), which space is accessible via an open front end face (5) of the sleeve portion,

- an extension sleeve (6) which is configured for coaxial arrangement on the sleeve portion and axial pushing back relative to the sleeve portion, and

- a retaining structure (7) which allows axial pushing back of the extension sleeve on the sleeve portion from a mounting position (M_S) in which the extension sleeve is initially retained on the sleeve portion, to an end use position (E_S) on a variable axial level (H_E) and retains the extension sleeve in the end use position on the sleeve portion, wherein axial pushing back of the extension sleeve from the mounting position to the end use position causes retention of the extension sleeve in the end use position,

characterized in that

- the retaining structure (7) includes a retaining ridge structure (7a) radially projecting from the sleeve portion (3), which retaining ridge structure is formed integrally with at least one adjacent axial partial region (3a) of the sleeve portion (3) from a sealing resilient material, and a counter-retaining structure (7b) cooperating with the retaining ridge structure in a frictionally engaged and/or form-locking manner, the counter-

retaining structure being provided on the extension sleeve and made of a material which has greater stiffness as compared to the sealing resilient material, and/or

- the wall installation connection box unit comprises a spacer element (8) which is attachable to the box housing body (1) in a securing position in a detachable manner, where the spacer element secures the extension sleeve in the mounting position (M_S) against axial pushing back.

2. Wall installation connection box unit according to claim 1, further characterized in that the retaining ridge structure includes a continuous circumferential retaining ridge (9) on its peripheral side, which retaining ridge protrudes radially inwards on an inner side (3b) of the sleeve portion, or radially outwards on an outer side (3c) of the sleeve portion.

3. Wall installation connection box unit according to claim 1 or 2, further characterized in that the retaining ridge structure is formed from a synthetic foamed material, preferably a thermoplastic particle foamed material.

4. Wall installation connection box unit according to any one of claims 1 to 3, further characterized in that the counter-retaining structure includes a retaining tooth structure (10) having a plurality of axially successive retaining teeth (11) which, extending peripherally, protrude radially outwards on an outer side (6a) of the extension sleeve, or radially inwards on an inner side (6b) of the extension sleeve.

5. Wall installation connection box unit according to claim 4, further characterized in that the retaining tooth structure with the retaining teeth thereof comprises a saw tooth profile including flatter tooth trailing edges (11a) pointing in the push-back direction (Z_R) of the extension sleeve, and opposed thereto steeper tooth front edges (11b).

6. Wall installation connection box unit according to claim 4 or 5, further characterized in that the retaining tooth structure is disposed with an axial distance to a rearward end face (6c) of the extension sleeve, and a portion of the extension sleeve extending from the rearward end face axially up to at most to the retaining tooth structure provides a preassembly mating area (12) which is configured for preassembled plugged retaining of the extension sleeve in its mounting position on the sleeve portion of the box housing body.

7. Wall installation connection box unit according to any one of claims 1 to 6, further characterized in that

- the extension sleeve has a radially outwards protruding blind ring flange (13) at a front end face (6d), and/or

- a mounting cover (17) is attachable on a front end face (6d) of the extension sleeve in a detachable manner.

8. Wall installation connection box unit according to any one of claims 1 to 7, further characterized in that the spacer element includes a spacer sleeve (20) which in the securing position is disposed

coaxially on the sleeve portion in an axial region behind the extension sleeve.

9. Wall installation connection box unit according to claim 8, further characterized in that the spacer sleeve is a constrictable annular sleeve (21) which is open on its peripheral side and includes a user-operable tightening actuation structure (22).

10. Wall installation connection box unit according to claim 8 or 9, further characterized in that the spacer sleeve includes a radially inwards overhanging flange structure (23) on a front end face (20a).

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