Claims

1. A covering device (1; 400; 700) which can be removably connected to an electric module (100; 500; 800) for an electric installation, the module being able to be wall-mounted and comprising a box-shaped member (142) which can receive terminals for electric wires, said box-shaped member (142) housing a mechanism of a switch, said switch being connected to a button (140), the covering device (1; 400; 700) comprising a member (10; 410; 710) and an engagement system (50; 450; 750),

the member (10; 410; 710) including a lower surface (20; 420; 720) which is suitable for interfacing with the module (100; 500; 800) and comprising two transverse sides (15, 16; 415, 416; 715, 716) and two longitudinal sides (17, 18; 417, 418; 717, 718), and a frame (30; 430; 730) which extends from the lower surface (20; 420; 720) in a connection direction (Z) and which extends along the sides (15, 16, 17, 18; 415, 416, 417, 418; 715, 716, 717, 718) of the lower surface (20; 420; 720), the frame (30; 430; 730) including two opposite longitudinal components (37, 38; 437, 438; 737, 738) and two opposite transverse components (35, 36; 435, 436; 735, 736),

the engagement system (50; 450; 750) including engagement elements (51, 52, 53, 54; 451, 452, 453, 454; 751, 752, 753, 754) which are positioned near the longitudinal sides (17, 18; 417, 418; 717, 718) of the lower surface (20; 420; 720) so as to be opposite in pairs with respect to a longitudinal plane, the longitudinal plane extending in the connection direction (Z) and along a longitudinal axis (D; D'; D") of the lower surface (20; 420; 720), each engagement element (51, 52, 53, 54; 451, 452, 453, 454; 751, 752, 753, 754) being resiliently deformable and formed to allow the connection with a respective connection element (152, 153, 154, 155; 551, 552, 553, 554; 851, 852, 853, 854) of the module (100; 500; 800)

characterized in that the covering device is configured so as to be connected to the button (140).

2. A covering device (1; 400; 700) according to the preceding claim, wherein each engagement element (51, 52, 53, 54; 451, 452, 453, 454; 751, 752, 753, 754) comprises:

a support portion (70; 470; 770) which extends from the lower surface (20; 420; 720) in the connection direction (Z) and
an engagement portion (60; 460; 760) which is suitable for interfacing with a gripping portion (160; 560) of a respective connection element (152, 153, 154, 155; 551, 552, 553, 554; 851, 852, 853, 854) of the module (100; 500; 800).

3. A covering device (1; 700) according to the preceding claim, wherein the support portion (70; 770) is at least partially included in the frame (30; 730).

4. A covering device (1; 400) according to claim 2 or 3, wherein the engagement portion (60; 460) is configured as a first protrusion (80; 480) which extends from the support portion (70; 470) and which comprises a first surface (61; 461) which is suitable for coming into contact with a second surface (161; 561) of a respective connection element of the module (100; 500).

5. A covering device (1) according to the preceding claim, wherein the first protrusion (80) of the engagement portion (60) extends from the support portion (70) towards the longitudinal plane.

6. A covering device (400) according to claim 4, wherein the first protrusion (480) of the engagement portion (460) extends from the support portion (470) and in an opposite direction with respect to the longitudinal plane.

7. A covering device (700) according to claim 2 or 3, wherein the engagement portion (760) is configured as an opening (761) which is formed in the support portion (770).

8. A covering device (1; 400; 700) according to any one of the preceding claims, wherein at least one engagement element (51, 52, 53, 54; 451, 452, 453, 454; 751, 752, 753, 754) comprises a first bevelled portion (62; 462; 762).

9. A covering device (1; 400; 700) according to any one of the preceding claims, wherein the member (10; 410; 710) is made from rigid material.

10. A covering device (1; 400; 700) according to any one of the preceding claims, wherein the covering device is made from a polymer material.

11. A device (200; 600; 900) for an electric installation comprising a covering device (1; 400; 700) according to any one of the preceding claims connected to a module (100; 500; 800) in such a manner that the lower surface (20; 420; 720) of the covering device (1; 400; 700) is directed towards a support surface (120; 520; 820) of the module (100; 500; 800), the module (100; 500; 800) comprising connection elements (152, 153, 154, 155; 551, 552, 553, 554; 851, 852, 853, 854), each of which being configured so as to be connectable to the respective engagement element (51, 52, 53, 54; 451, 452, 453, 454; 751, 752, 753, 754) of the covering device (1; 400; 700).

12. A device (200; 600; 900) for an electric installation according to claim 12 or 13, wherein the covering device (1) is directly fixed to the module (100; 500; 800).

13. A device (200; 600; 900) for an electric installation according to claim 15, wherein the covering device (1; 400; 700) is directly connected to the button (140; 540).

14. A device (200; 600; 900) for an electric installation according to any one of claims 12 to 17, wherein the module (100; 500; 800) can be connected to a support for electric modules, the support preferably comprising insertion slots for connecting the module (100; 500; 800) by means of hooks.

15. A device (200; 600; 900) for an electric installation according to any one of the preceding claims, wherein the covering device is connected to the button so as to move together with the button.