

**⚠ Important Safety Notice**

It is the responsibility of the person installing the electrical equipment to ensure that the installation meets the requirements of the IET wiring regulations and is therefore 'fit for purpose'. Factors such as correct selection of components, cable sizing, protective devices and Earth bonding are all critical and should be checked prior to full testing and power-up. Any other regulations applicable to the equipment being installed such as the Machinery Directive and current health and safety legislation must also be adhered to. All connections (including factory made) must be checked for the correct tightness prior to commissioning of the electrical installation.

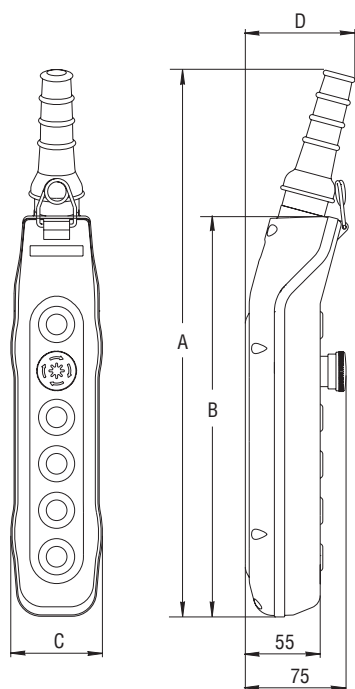
All connections should be checked periodically to ensure correct tightness.

**DO NOT USE POWER TOOLS ON THESE PRODUCTS**



**Technical Data**

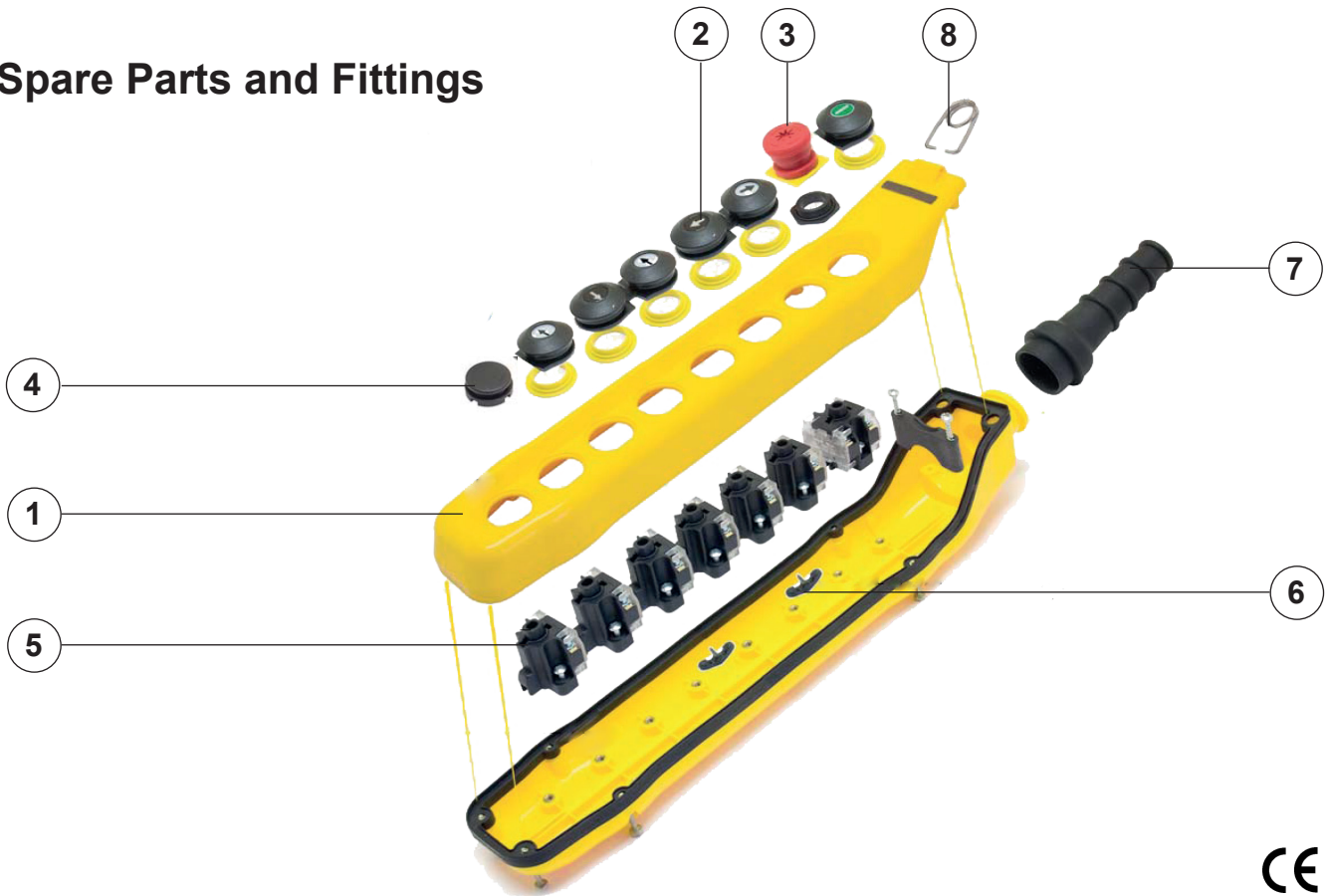
|                                  |                               |
|----------------------------------|-------------------------------|
| <b>Insulation voltage</b>        | 660 VAC.                      |
| <b>Test voltage</b>              | 2500 VAC.                     |
| <b>Max. operating voltage</b>    | 400 VAC.                      |
| <b>Temperature range Working</b> | -25° C + 70° C.               |
| <b>Temperature range Storage</b> | -40° C + 70° C.               |
| <b>Insulation</b>                | Class II (Double insulation). |
| <b>Protection degree</b>         | IP 65.                        |
| <b>Cable entry</b>               |                               |
| <b>2 - 4 buttons:</b>            | Rubber sleeve D. 12-17 mm     |
| <b>6 - 12 buttons:</b>           | Rubber sleeve D. 15-20 mm     |























**Dimensions**

| No. of Buttons | Dimensions (mm) |     |    |    | Weight (Kg) |
|----------------|-----------------|-----|----|----|-------------|
|                | A               | B   | C  | D  |             |
| 2              | 264             | 166 | 66 | 77 | 0.280       |
| 3              | 300             | 202 | 66 | 77 | 0.380       |
| 4              | 336             | 238 | 66 | 77 | 0.430       |
| 5              | 388             | 274 | 71 | 82 | 0.570       |
| 6              | 424             | 310 | 71 | 82 | 0.590       |
| 8              | 496             | 382 | 71 | 82 | 0.750       |
| 10             | 568             | 454 | 71 | 82 | 0.880       |
| 12             | 640             | 526 | 71 | 82 | 1.040       |

**Spare Parts and Fittings**



| Number                | Part Description   |                       |                                |                              |                                |                              |
|-----------------------|--|-----------------------|--------------------------------|------------------------------|--------------------------------|------------------------------|
| 1                     | Pendant Casing (2 -12 Button)  |                       |                                |                              |                                |                              |
| 2                     |      <br>ECPENDPB01 ECPENDPB02 ECPENDPB03 ECPENDPB04 ECPENDPB05 ECPENDPB06<br>     <br>ECPENDPB21 ECPENDPB22 ECPENDPB23 ECPENDPB24 ECPENDPB25 ECPENDPB26<br>     <br>ECPENDPB30 ECPENDPB34 PENDPB07 ECPENDPB08 ECPENDPB27 ECPENDPB28 |                       |                                |                              |                                |                              |
| 3                     |  ECPENDPBEM - Emergency stop push button  |                       |                                |                              |                                |                              |
| 4                     |  ECPENDPBCL - Button Blank  |                       |                                |                              |                                |                              |
| 5                     | <table border="0"> <tr> <td><b>Contact Blocks</b></td> <td>1 N/O<br/>ECPENDCBNO</td> <td>1 N/C<br/>ECPENDCBNC</td> <td>2 N/O DUAL SPEED<br/>ECPENDCBDS</td> <td>1 N/O + 1N/C<br/>ECPENDCBNONC</td> </tr> </table>  | <b>Contact Blocks</b> | 1 N/O<br>ECPENDCBNO            | 1 N/C<br>ECPENDCBNC          | 2 N/O DUAL SPEED<br>ECPENDCBDS | 1 N/O + 1N/C<br>ECPENDCBNONC |
| <b>Contact Blocks</b> | 1 N/O<br>ECPENDCBNO  | 1 N/C<br>ECPENDCBNC   | 2 N/O DUAL SPEED<br>ECPENDCBDS | 1 N/O + 1N/C<br>ECPENDCBNONC |                                |                              |
| 6                     | Mechanical Interlock   |                       |                                |                              |                                |                              |
| 7                     | Rubber Cable Protection Boot   |                       |                                |                              |                                |                              |
| 8                     | Suspension Hook  |                       |                                |                              |                                |                              |

## Installation and Maintenance

### SPECIFICATION

|                                  |  |                            |                              |
|----------------------------------|--|----------------------------|------------------------------|
| <b>Maximum operation voltage</b> | 400VAC   | <b>Thermal current</b>     | 10A                          |
| <b>Insulation voltage</b>        | 660VAC   | <b>Insulation</b>          | Class II (Double insulation) |
| <b>Working Temperature</b>       | -25° C +70° C                                    | <b>Storage temperature</b> | -40° C +70° C                |
| <b>Rubber sleeve</b>             | (2-4 Button) Ø12-17mm                            |                            | (6-12 Button) Ø15-20mm       |
| <b>Maximum cable size</b>        | 2 x 1.5mm <sup>2</sup> or 1 x 2.5mm <sup>2</sup> |                            |                              |
| <b>Duty Rating</b>               | AC15   | (V)                        | 24 48 120 240 400            |
|                                  |  | (A)                        | 10 10 6 3 1.9                |
|                                  | DC13   | (V)                        | 24 48 125 250                |
|                                  |  | (A)                        | 5 5 2.2 1.1                  |

### INSTALLATION

The Reflex pendant stations must be installed by qualified personal.

It is the responsibility of the person installing the electrical equipment to ensure that the installation meets the requirements of the IET wiring regulations and is therefore 'fit for purpose'.

Any other regulations applicable to the equipment being installed such as the Machinery Directive and current health and safety legislation must also be adhered to.

Terminals, including factory fitted, should be checked periodically to ensure correct tightness.

After installation, all buttons must be tested for operation.

Avoid prolonged exposure to oils and acidic substances during use, as they may cause damage.

### WIRING

- Open pendant by loosening the securing screws.
- Cut rubber cable boot to correct size for your cable to ensure a dust and water tight seal.
- Strip cable to the correct length for wiring the contact blocks.
- Wire the pendant in accordance with the controlled equipment's wiring diagram (Terminal tightening torque 0.8Nm).
- DO NOT use power tools when tightening the terminals.
- Install the cable into the cable clamp and tighten to ensure a secure fixing.
- Close pendant casing ensuring the rubber gasket is not pinched and tighten screws.

### MAINTENANCE

To ensure long term operation of the Reflex pendant station, regular maintenance should be performed.

Any defective parts or parts showing signs of wear should be replaced to ensure maximum operational safety.

### PERIODIC CHECKS

- Clean push-button station using non-aggressive products.
- Check all rubber gaskets are in good condition and not split.
- Check that casing is in good condition.
- Check contact block terminal connections for tightness.
- Check that all outer casing screws are tightened.
- Test each button for correct operation.

EUROPA COMPONENTS accept no responsibility for damage deriving from incorrect installation or improper use of the product.

