INSTALLATION GUIDE FOR
TYPE E PUSH-BUTTONS

CONTROL AND SIGNALING SOLUTIONS FOR HARSH ENVIRONMENTS
Drillings summary table

<table>
<thead>
<tr>
<th>Push-Button</th>
<th>Drilling</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>EDML / EDME / EDMLE</strong></td>
<td><img src="image1" alt="Diagram" /></td>
</tr>
<tr>
<td><strong>EDMEP / EDMLEP</strong></td>
<td><img src="image2" alt="Diagram" /></td>
</tr>
<tr>
<td><strong>E62 / E65 / E66 / E72</strong></td>
<td><img src="image3" alt="Diagram" /></td>
</tr>
<tr>
<td><strong>BMR</strong></td>
<td><img src="image4" alt="Diagram" /></td>
</tr>
<tr>
<td><strong>E162 / E165 / E262 / E265</strong></td>
<td><img src="image5" alt="Diagram" /></td>
</tr>
</tbody>
</table>

*The specifications and drawings given are subject to change and are not binding unless confirmed by our specialists.*
# Panel thickness summary table

<table>
<thead>
<tr>
<th>Push-Button</th>
<th>Panel thickness (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDML / EDME / EDMLE</td>
<td>2 à 4 mm</td>
</tr>
<tr>
<td>EDMEP / EDMLEP</td>
<td>2 à 4 mm</td>
</tr>
<tr>
<td>E62 / E65 / E66 / E72</td>
<td>1,5 à 3 mm</td>
</tr>
<tr>
<td>BMR</td>
<td>1,5 à 3 mm</td>
</tr>
<tr>
<td>E162 / E165 / E262 / E265</td>
<td>2 à 4 mm</td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>Push-Button</th>
<th>Standard mounting wrench</th>
<th>Adapter for torque tightening</th>
<th>Torque tightening</th>
<th>Torque* (N.m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDML/ EDMLE / EDMLEP</td>
<td>1SNA337198R2000</td>
<td>1SNA910708T1200</td>
<td>Standard wrench + adapter</td>
<td>5 N.m</td>
</tr>
<tr>
<td>EDME / EDMEP</td>
<td>1SNA358137R0700</td>
<td>1SNA910709T1300</td>
<td></td>
<td>5 N.m</td>
</tr>
<tr>
<td>E62 / E65 / E66 / E72</td>
<td>1SNA357100R1600</td>
<td></td>
<td></td>
<td>2 N.m (for indication only)</td>
</tr>
<tr>
<td>BMR</td>
<td>1SNA357965T0400</td>
<td>1SNA910712T2500</td>
<td></td>
<td>5 N.m</td>
</tr>
<tr>
<td>E162 / E165 / E262 / E265</td>
<td></td>
<td></td>
<td></td>
<td>Snap fastened: no torque tightening</td>
</tr>
</tbody>
</table>

* Recommended values in case of vibrations / seismic stresses

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Installation and maintenance

Fixing of push buttons EDML / EDMLE / EDMLEP

The standard device can be fitted on a 2 to 4 mm thick panel.

The product is fixed to the panel through a central nut. 2 people are recommended to fix correctly the push-button: a person behind the panel to guide and maintain the product, the other one to set up the escutcheon plate, the central nut and then tighten the push-button.

The principle of fixation for illuminated push buttons is identical to the principle of fixation for TL and TPL switches

Step 0 (preparation):
Separate all the components of the front part of the push button as presented below.

Step 1:
Insert the mounting nut on the mounting wrench (reference: 1SNA337198R2000) by pressing on the piston. If the product is equipped with an escutcheon plate, set it up with the rubber washer on the mounting nut. If the product is equipped with bezel, set it up on the mounting nut.

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**Installation and maintenance**

**Fixing of push buttons EDML / EDMLE / EDMLEP**

**Step 2 :**

Position the push button at the rear of the panel by respecting the orientation* and take care of the right alignment with the drill hole. Tighten the push button with the mounting wrench and take care of the right adjustment of its position and the position of escutcheon plate.

* Normal orientation of the push buttons :

Label 11 located on the top.

**Step 3 :** *(We recommend to realize this step if the products can be subject to vibrations/seismic stresses. In other cases this step is facultative but recommended)*

With a calibrated torque wrench, the standard mounting wrench and the adapter (reference: 15NA910708T1200) complete the tightening by applying a torque of 5 N.m.

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Installation and maintenance

Fixing of push buttons EDML / EDMLE / EDMLEP

Step 3 ‘: (lamp) *(Ignore this step if the lamp isn’t used or if it’s installed by factory)*

Set up the lamp in the socket of the push button with your hand. /!\ Take care that the lamp is correctly installed.

Step 4:

Set up the command button in abutment of the mechanical transmission part. /!\ A single direction of assembly

Lamp replacement:

Remove the command button. Use the lamp puller (reference: 1SNA319155R0200) to remove the lamp to be replaced. Set up the replacement lamp. Set up the command button.
Installation and maintenance

Fixing of push buttons E72 (similar mounting for E62 / E65 / E66)

The standard device can be fitted on a 1.5 to 3 mm thick panel.

The product is fixed to the panel through a central nut. 2 people are recommended to fix correctly the push-button: a person behind the panel to guide and maintain the product, the other one to set up the central nut and then tighten the push-button.

Step 0 (preparation):

Separate all the components of the front part of the push button as presented below.

Step 1:

Position the push button at the rear of the panel by respecting the orientation* and take care of the right alignment with the drill hole. Set up the mounting nut and tighten the push button with the mounting wrench (reference: 1SNA357100R1600) and take care of the right adjustment of its position. Set up the button in abutment of the mechanical transmission part. /A single direction of assembly

* Normal orientation of the push buttons:

Label 11 located on the top.

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**Non-Illuminated Type E Push Buttons**

**Installation and maintenance**

**Fixing of push buttons EDME - EDMEP**

The standard device can be fitted on a 2 to 4 mm thick panel.

The product is fixed to the panel through a central nut. 2 people are recommended to fix correctly the push-button: a person behind the panel to guide and maintain the product, the other one to set up the central nut the bezel (+ protective plate*) and then tighten the push-button.

**Step 0 (preparation):**

Separate all the components of the front part of the push button as presented below.

*For an EDME product, there is no protective plate.*

**Step 1:**

Insert the mounting nut and the bezel on the mounting wrench (reference: 1SNA358137R0700). Position the push button at the rear of the panel by respecting the orientation* and take care of the right alignment with the drill hole. Set up the mounting nut and tighten the push button with the mounting wrench.

*Normal orientation of the push buttons:*

Label 11 located on the top.

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Installation and maintenance

Fixing of push buttons EDME - EDMEP

**Step 2**: *(We recommend to realize this step if the products can be subject to vibrations/seismic stresses. In other cases this step is facultative but recommended).*

With a calibrated torque wrench, the standard mounting wrench and the adapter (reference: 1SNA910709T1300), complete the tightening by applying a torque of 5 N.m.

**Step 3**:

Screw the command button.
Installation and maintenance

Wiring of type E push buttons

The standard wiring of these push buttons is realized by soldering or by Fast-On Clip 2,8 X 0,3.
The maximal section of cable is 1 mm².
For a soldered wiring, we recommend to use a low power soldering iron (~30W), No excesses of cleaning products.
We recommend to use a welding product ROHS type Sn96,5/Ag3/Cu0,5 in CA2.
It is advisable to arrange insulating sleeve on the welds.
The cables are wired with a rear cable outlet. The push button is equipped in standard with a plastic cable support (option ST) in order to attach cables with a collar. It can be also equipped with a metallic cable support (option STM)

Soldered wiring (+ option STM) Fast-On Clip 2,8 X 0,3 wiring (+ option ST)

Maintenance of type E push buttons

No special cleaning is required.
Never use solvents, acids or any chemicals. Do not use sandpaper or other metal abrasive.

For the protection and maintenance of contacts, make sure that the protective cover is correctly installed. After a few years of use, remove simply the dust with a vacuum cleaner or a wet fabric. Use only water to moisten slightly the fabric.
For the maintenance of escutcheon plates, bezels, protective plates or command buttons, use a fabric slightly moistened with a mixture of water and alcohol (type cleaning glasses).