DOMOS-K
Flush-fit mechanisms and junction boxes (Hollow walls)

Mechanism and junction boxes specially designed to be installed in prefabricated walls (such as plasterboard, wood, fibreboard, etc.). Manufactured with high-quality and high-strength materials that make installation and flush-fitting easy. Designed for circuits whose voltage is not greater than 400 V in alternating current and a maximum current of 16 A.

DOMOS-K Technical Specifications
- Glow wire resistance: 850 °C.
- Ball pressure test: 70 °C.
- Ambient temperature range: -5 °C / +40 °C.
- Maximum operating voltage: 400 V.

DOMOS-K Certifications
DOMOS-K
Flush-fit mechanism and junction boxes

Product series
- 5 models for mechanism boxes of 1, 2, 3, 4 and 5 crowns.
- 3 models for junction boxes.

Material
- Self-extinguishing PVC (lead-free).
- Colour: Yellow base. RAL 9003 white cover.

Supply
- Supplied in boxes per packaging multiple.
- D70-type boxes include:
  Screws for mounting in hollow walls already mounted.
  Partition (except reference D70/1K).
- CT-type boxes include:
  Screw-on cover and screws for hollow wall-mounting, included in bag.
  CT115/K reference includes a partition.
  CT217/K reference is supplied with the screws assembled.

Side and rear entries with double elastic material injection for maximum insulation
**Mechanism boxes. Base**

- They have a circular shape with a 60-mm separation between screws on the inside, thus fulfilling the standard distances for the different mechanisms.
- References 1K, 2K and 3K have entries manufactured with elastic material, permitting the installation of 16, 20 and 25 mm pipes.
- References 4K and 5K have easy-to-remove knock-outs for the installation of cables with a diameter of 10 or 20 mm.
- Guaranteed airtight, even with a cable or pipe installed, thus preventing currents of air through the installation.
- The boxes are mounted with 45-mm-long screws with latch and triple thread for quick installation. These screws are supplied assembled in all references.
- At the rear, at the bottom of the multiple boxes, there are guides to make it easier to mark the drill hole position on the wall, thus facilitating installation.
- The references 1K and 2K have a protective cover, supplied as an accessory [Ref. 45915 and 45916] to prevent plaster from getting inside the enclosure during flush-fitting and plastering.
- All references [except 1K] have a partition between crowns.

**Junction boxes. Base**

- The flush-fit junction boxes have easy-to-remove knock-outs on the side walls for the entry of 8, 10, 20 and 32-mm diameter trunking. They also have oblong-shaped knock-outs and knock-outs for the entry of sloping 10 and 20-mm pipes.
- These knock-outs help to make pipe outlets that are sloping with regard to the planes of the ceiling and walls, reducing the outgoing tube’s curvature when the enclosure is assembled in a high position, near the ceiling or in areas where there are different heights.
- There are recesses at the bottom for the installation of internal elements.
- At the rear, there are guides to make it easier to mark the drill hole position on the wall, thus facilitating installation.
- The boxes are mounted with 45-mm-long screws with latch and triple thread for quick installation. These screws are supplied assembled in reference CT217/K.
- Reference CT115/K permits the connection of two different circuits up to a voltage of 400 V, separated by a partition included in the box.
- The side of references CT155/K and CT217/K can be broken in order to facilitate cable handling.

**Junction boxes. Cover**

- The cover has a slightly rough (satin) texture that facilitates the adherence of paint used to decorate the walls, and is wider than the base in order to correct possible flaws or damage caused by the flush-fitting.
- Cover attached with 2.8x13 mm metal screw. In the CT155/K and CT217/K models the cover is supplied assembled and screwed.
- The housing of the screws in the base makes it possible to level the cover if the base is not perfectly level when it is fitted.
DOMOS-K
Flush-fit mechanisms and junction boxes for hollow walls

Flush-fit mechanism boxes. Hollow walls

<table>
<thead>
<tr>
<th>Reference No.</th>
<th>Dimensions of the flush-fit gap</th>
<th>Crown</th>
<th>Entry holes</th>
<th>Weight</th>
<th>20</th>
<th>25</th>
<th>30</th>
<th>35</th>
<th>40</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>D70/1K</td>
<td>Ø70x50</td>
<td>70</td>
<td>4xØ16-20</td>
<td>4xØ20-25</td>
<td>0.03</td>
<td>0.8</td>
<td>1.0</td>
<td>1.2</td>
<td>1.4</td>
<td>1.6</td>
</tr>
<tr>
<td>D70/2K</td>
<td>138x68x50</td>
<td>70</td>
<td>2xØ16-20</td>
<td>2xØ20-25</td>
<td>0.09</td>
<td>1.6</td>
<td>2.0</td>
<td>2.5</td>
<td>2.9</td>
<td>3.3</td>
</tr>
<tr>
<td>D70/3K</td>
<td>209x68x50</td>
<td>70</td>
<td>4xØ16-20</td>
<td>2xØ20-25</td>
<td>12xØ6-10</td>
<td>2xØ6-9</td>
<td>0.12</td>
<td>2.5</td>
<td>3.1</td>
<td>3.7</td>
</tr>
<tr>
<td>D70/4K</td>
<td>285x70x45</td>
<td>70</td>
<td>8xØ10</td>
<td>14xØ20</td>
<td>0.16</td>
<td>3.3</td>
<td>4.1</td>
<td>4.9</td>
<td>5.7</td>
<td>6.5</td>
</tr>
<tr>
<td>D70/5K</td>
<td>354x70x45</td>
<td>70</td>
<td>12xØ10</td>
<td>10xØ20</td>
<td>0.23</td>
<td>4.1</td>
<td>5.1</td>
<td>6.1</td>
<td>7.2</td>
<td>8.2</td>
</tr>
</tbody>
</table>

HALOGEN-FREE PLASTIC MATERIALS
The screws for hollow wall-mounting are supplied assembled in all references.
Ref. 1K-2K-3K with double-injection elastic entries.
Ref. 2K-3K-4K-5K with partition.
Self-extinguishing PVC (lead-free).
Yellow base.
Flush fit - Hollow walls - Glow wire resistance 850º.

*Calculations obtained according to the CEI 890:1997 standard (including Corrigendum 1998). Method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear.
Flush-fit junction boxes with metal screws. **Hollow walls**

<table>
<thead>
<tr>
<th>Reference No.</th>
<th>Dimensions of the flush-fit gap</th>
<th>Crown</th>
<th>Entry holes</th>
<th>Weight</th>
<th>Power dissipation according to ( \text{°C} )</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>HEIGHT X WIDTH X DEPTH mm</td>
<td></td>
<td></td>
<td>KG</td>
<td>20</td>
<td>25</td>
</tr>
<tr>
<td>CT115/K</td>
<td>115x115x45</td>
<td>40</td>
<td>4xØ8 8xØ10 4xØ20</td>
<td>0.17</td>
<td>1.9</td>
<td>2.4</td>
</tr>
<tr>
<td>CT155/K</td>
<td>155x155x64</td>
<td>40</td>
<td>12xØ10 12xØ20 2xØ25 2xØ32 2x(10x20)</td>
<td>0.24</td>
<td>3.5</td>
<td>4.4</td>
</tr>
<tr>
<td>CT217/K</td>
<td>234x176x79</td>
<td>40</td>
<td>22xØ10 26xØ20 10xØ30 10xØ40 2x(10x20) 16x(10x20) 2x(10x30)</td>
<td>0.55</td>
<td>6.0</td>
<td>7.5</td>
</tr>
</tbody>
</table>

**HALOXEN-FREE PLASTIC MATERIALS**

Ref. CT115/K with partition.

Ref. CT217/K supplied with screws for hollow walls already assembled.

Self-extinguishing PVC (lead-free).

Yellow base - white cover RAL 9003.

Flush fit - Hollow walls - Glow wire resistance 850º.

* Calculations obtained according to the CEI 890:1997 standard (including Corrigendum 1998). Method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear.