The DE8BC range comprises many standard sizes of enclosures manufactured in stainless steel 316L. The enclosures allow for utilization of standard electrical components inside. Thus subsequent replacement and maintenance of the installed components is easy, and may be performed by skilled electricians. If required, several enclosures may be assembled on a framework, with separate or common Ex e/i junction boxes. The enclosures can be delivered empty with U-component certificate or supplied fully assembled according to client demands.

**Features**
- Flexible product range with many standard sizes
- Ingress protection IP 66
- Suitable for demanding environments
- Wide temperature range (-40 °C to +60 °C)
- Several earthing alternatives
- May be used with a Ex e/i connection box
- Window in lid/door may be fitted
- Simplified inspection routines with extended intervals

**Applications**
Junction box, control station, uninterrupted power supply, transformer, distribution board, motor starter, umbilical splitter box

**Technical data**
- Material: Stainless steel 316L
- IP rating: IP 66
- Temperature range: -40 °C to +60 °C
- Surface treatment: Shot blasted
- Earthing: M10

**Explosion protection**
  - Ex d IIB +H2 T4 to T6 Gb
  - Ex d [ia] IIB +H2 T6 Gb
  - Ex tb III C T85 °C to 135 °C Db

**Certification**
- ATEX
- INERIS 09ATEX9017U
- INERIS 09ATEX0061X
- IECEx
- IECEx INE 13.0001U
- IECEx INE 13.0088X
- INMETRO
- DNV 16.0017/DNV 16.0016 U
- EAC
- TC RU C- N0.FE08.B.02030
- Directives
  - EN/IEC 60079-0, EN/IEC 60079-1
  - EN/IEC 60079-31

**External dimensions**

<table>
<thead>
<tr>
<th>DE8BC..</th>
<th>Width A (mm)</th>
<th>Height B (mm)</th>
<th>Depth C (mm)</th>
<th>Usful depth C1 (mm)</th>
<th>External fixing H1 x L1 (mm)</th>
<th>Diameter of fixing holes (mm)</th>
<th>Base plate useful surface H x L, fixing holes (mm)</th>
<th>Max. heat dissipation W</th>
<th>Weight (kg)</th>
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<tbody>
<tr>
<td>DE8BC32I</td>
<td>338</td>
<td>438</td>
<td>261</td>
<td>192</td>
<td>234 x 326</td>
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<td>DE8BC35I</td>
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<td>261</td>
<td>192</td>
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<td>Ø 12</td>
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<td>538</td>
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<td>Ø 12</td>
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<td>380</td>
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<td>DE8BC44I</td>
<td>548</td>
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<td>323</td>
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<td>334 x 526</td>
<td>Ø 20</td>
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<td>323</td>
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<td>Ø 20</td>
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<td>253</td>
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<td>Ø 20</td>
<td>630 x 830</td>
<td>600</td>
<td>447</td>
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<td>660</td>
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Dimension tolerance: ± 5 mm
**Flameproof Enclosures DE8BC**

### Technical Data

his information is a technical specification for Flameproof Enclosures DE8BC. The data includes dimensions, assembly possibilities, and other relevant details. The page contains a diagram and a table summarizing the technical specifications.

#### Dimensions

The dimensions of the DE8BC enclosure are listed below:

- **External dimensions:** Ex e II Increased safety enclosures
- **Internal dimensions:** Ex e II Increased safety enclosures

#### Assembly possibilities

Assembly possibilities between DE8BC and TNCN are as follows:

- **DE8BC:**
  - TNCN: 43 44 54 64 75 86 107 108 148

#### Table: External Dimensions

<table>
<thead>
<tr>
<th>TNCN</th>
<th>Width A (mm)</th>
<th>Height B (mm)</th>
<th>Depth C (mm)</th>
<th>No. of command/signal unit</th>
<th>No. of Ammeter</th>
<th>Max. heat dissipation W (mm)</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
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<td>5</td>
<td>120</td>
<td>22</td>
</tr>
</tbody>
</table>

**Dimension tolerance:** ± 5 mm

**NOTE:** M6 x 12 Welded stud inside door

**NOTE:** Option safety wire SWA 300 x 5 kg

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The information is subject to change without notice.

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Technical data subject to change without notice.
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