





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



Explosion protection

| | |
|--------------------|--|
| Ex protection type | Ⓢ II 2 G/D or 2[1]G/D and EPL GG/Db Ex d IIB +H2 T4 to T6 Gb Ex d [ia] IIB +H2 T6 Gb Ex tb IIIC 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- NO.Г508.B.02030 |
| Directives | EN/IEC 60079-0, EN/IEC 60079-1, EN/IEC 60079-31 |

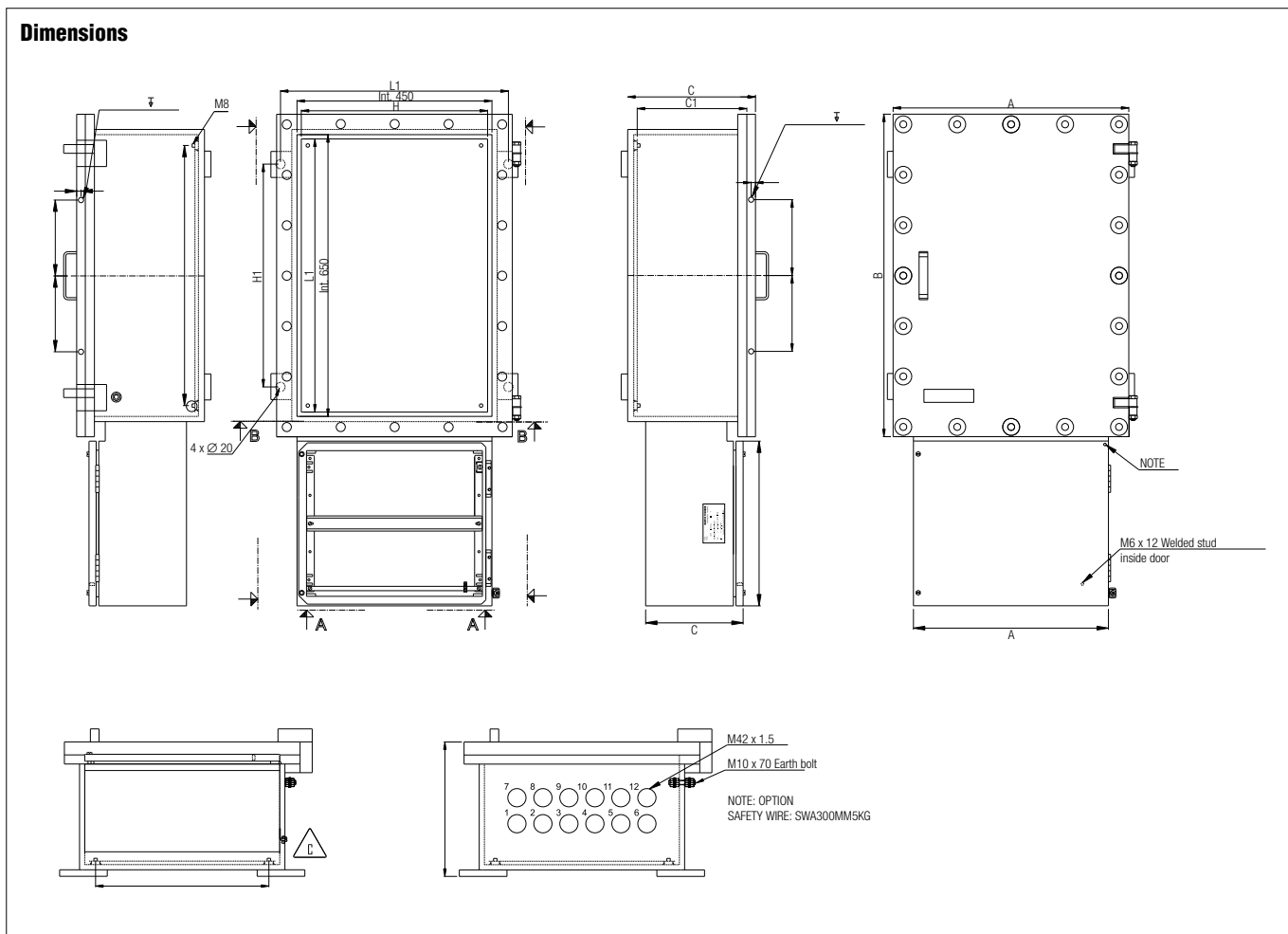
Technical data

| | |
|-------------------|----------------------|
| Material | Stainless steel 316L |
| IP rating | IP 66 |
| Temperature | -40 °C to +60 °C |
| Surface treatment | shot blasted |
| Earthing | M10 |

External dimensions Ex d IIB Explosion proof enclosures

| DE8BC.. | Width A (mm) | Height B (mm) | Depth C (mm) | Usful depth C1 (mm) | External fixing H1 x L1 (mm) | Diameter of fixing holes (mm) | Base plate useful surface H x L, fixing holes (mm) | Max. heat dissipation W (mm) | Weight (kg) |
|-----------|-----------------|------------------|-----------------|---------------------------|------------------------------------|-------------------------------------|--|------------------------------------|----------------|
| DE8BC32I | 338 | 438 | 261 | 192 | 234 x 326 | Ø 12 | 230 x 330 | 250 | 74 |
| DE8BC351I | 358 | 478 | 261 | 192 | 274 x 346 | Ø 12 | 255 x 380 | 250 | 85 |
| DE8BC43I | 438 | 538 | 321 | 252 | 334 x 426 | Ø 12 | 330 x 430 | 380 | 122 |
| DE8BC44I | 548 | 548 | 323 | 252 | 334 x 526 | Ø 20 | 430 x 430 | 380 | 155 |
| DE8BC54I | 548 | 648 | 323 | 252 | 414 x 526 | Ø 20 | 430 x 530 | 410 | 180 |
| DE8BC64I | 548 | 748 | 323 | 252 | 514 x 526 | Ø 20 | 430 x 630 | 470 | 205 |
| DE8BC75I | 668 | 868 | 332 | 253 | 614 x 630 | Ø 20 | 530 x 730 | 600 | 319 |
| DE8BC86I | 768 | 968 | 378 | 297 | 714 x 734 | Ø 20 | 630 x 830 | 600 | 447 |
| DE8BC107I | 868 | 1168 | 400 | 294 | 908 x 868 | Ø 20 | 730 x 1030 | 1200 | 660 |
| DE8BC108I | 868 | 1168 | 445 | 339 | 908 x 868 | Ø 20 | 730 x 1030 | 1400 | 675 |
| DE8BC148I | 944 | 1594 | 509 | 417 | 1200 x 900 | Ø 20 | 780 x 1430 | 2000 | 1110 |

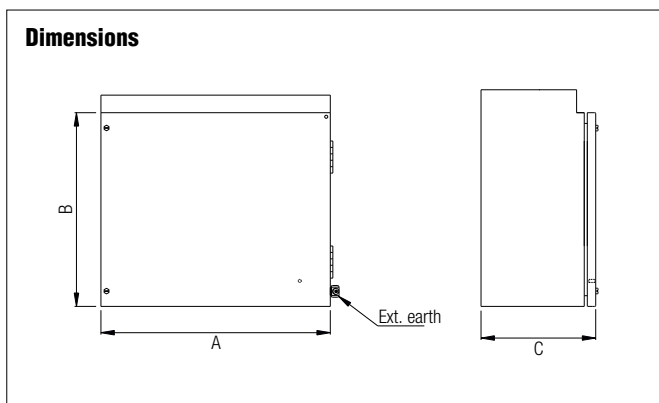
Dimension tolerance: ± 5 mm



External dimensions Ex e II Increased safety enclosures

| TNCN | Width A (mm) | Height B (mm) | Depth C (mm) | No. of command/signal unit | No. of Ammeter | Max. heat dissipation W (mm) | Weight (kg) |
|--------|--------------|---------------|--------------|----------------------------|----------------|------------------------------|-------------|
| 354522 | 350 | 450 | 200 | 9 | 2 | 25 | 6 |
| 453822 | 450 | 380 | 220 | 18 | 4 | 42 | 8 |
| 575727 | 570 | 570 | 270 | 40 | 4 | 72 | 13 |
| 767632 | 760 | 760 | 300 | 108 | 5 | 120 | 22 |

Dimension tolerance: ± 5 mm



Assembly possibilities between DE8BC and TNCN

| TNCN | DE8BC.. | | | | | | | | |
|--------|---------|----|----|----|----|----|-----|-----|-----|
| | 43 | 44 | 54 | 64 | 75 | 86 | 107 | 108 | 148 |
| 354522 | X | X | X | X | X | X | X | X | X |
| 453822 | | X | X | X | X | X | X | X | X |
| 575727 | | | | | | X | X | X | X |
| 767632 | | | | | | | X | X | X |

X: possibility of combination

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