

**KLIPPON STB 2 SS**

**Weidmüller Interfaces GmbH & Co. KG**

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**Similar to illustration**



Ideally suited for the energy, process and transportation industries, the Klippon® STB enclosure series is the perfect complement to our existing Klippon® enclosure portfolio. Enclosures in this series are approved according to international standards such as e.g. EN62208 and EN60079-0/7 (ATEX).

- Mirror-polished or electropolished stainless steel 1.4404 (316L), 1.5 mm
- High-temperature-resistant seal as standard - extended temperature range of -60°C to +100°C for Ex application (+120°C only for industrial application)
- Approved according to ATEX, IECEx, cULus, Lloyds Register, Germanischer Lloyd, GL DNV and INMETRO
- Flexible options for fastening the internal mounting rail
- IP66 protection
- Secure, permanent function of the seal is ensured by seal compression protection
- Earthing stud in the cover and base of the enclosure
- Laser cut weld seams for increased quality
- Already welded-on mounting feet guarantee optimum enclosure installation

Weidmüller can manufacture and supply this enclosure - according to customer specifications - fitted with all necessary terminals and cable glands.

**General ordering data**

|            |   |
|------------|---|
| Version    | Klippon STB (Small Terminal Box), Empty enclosure, stainless steel enclosure, Height: 150 mm, Width: 150 mm, Depth: 90 mm, Material: Stainless steel 1.4404 (316L), Mirror polished, silver |
| Order No.  | <a href="#">1002740000</a>  |
| Type       | KLIPPON STB 2 SS  |
| GTIN (EAN) | 4032248695676   |
| Qty.       | 1 Stück   |

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## Technische Daten

### Dimensions and weights

|                            |        |                 |            |
|----------------------------|--------|-----------------|------------|
| Depth                      | 90 mm  | Depth (inches)  | 3.543 inch |
| Height                     | 150 mm | Height (inches) | 5.905 inch |
| Width                      | 150 mm | Width (inches)  | 5.905 inch |
| Mounting dimension - width | 175 mm | Net weight      | 1,708 g    |

### Temperatures

|                             |                 |                             |        |
|-----------------------------|-----------------|-----------------------------|--------|
| Operating temperature       | -60 °C...100 °C | Operating temperature, min. | -60 °C |
| Operating temperature, max. | 100 °C          |                             |        |

### Cable glands, left

|     |    |     |    |
|-----|----|-----|----|
| M12 | 15 | M16 | 10 |
| M20 | 8  | M25 | 3  |
| M32 | 3  | M40 | 2  |
| M50 | 1  |     |    |

### Cable glands, right

|     |    |     |   |
|-----|----|-----|---|
| M12 | 15 | M16 | 8 |
| M20 | 6  | M25 | 2 |
| M32 | 2  | M40 | 2 |
| M50 | 1  |     |   |

### Cable glands, top/bottom

|     |    |     |    |
|-----|----|-----|----|
| M12 | 15 | M16 | 10 |
| M20 | 8  | M25 | 3  |
| M32 | 3  | M40 | 2  |
| M50 | 1  |     |    |

### Certificate numbers enclosure

|   |  |   |                           |
|---|--|---|---------------------------|
| Approval conditions                       | ATEX, DNV, EAC, IECEX, INMETRO, LR, RMRS, UL AEx Class Div., UL AEx Class Zone, cULus, KC, CCC | Attestation of Conformity No. (AoC)     | DE PS2620 160308 001ISS02 |
| Certificate No. (ATEX)                    | IBEXU07ATEX1147U   | Certificate No. (EAC)                   | C-DE.HB07.B.00089-20      |
| Certificate No. (IECEX)                   | IECEXIBE09.0019  | Certificate No. (LLOYDSREG)             | 08_20032                  |
| Certificate no. (INMETRO)                 | IEX13.0003   | Certificate no. (cULus)                 | E256877                   |
| Certificate no. Terminal Box (AEx)        | E223792  | Certificate no. Terminal Box (ATEX)     | IBEXU07ATEX1148           |
| Certificate no. Terminal Box (EAC)        | C-DE.HB07.B.00089/20 Ex Terminal Box; C-DE.A154.B.00251/19 Ind. Terminal Box                   | Certificate no. Terminal Box (IECEX)    | IECEX IBE 09.0019         |
| Certificate no. Terminal Box (INMETRO)    | LMP 21.0018  | Certificate no. Terminal Box (KOSHA)    | 16-AV4BO-0247X            |
| Certificate no. empty enclosure (ATEX)    | IBEXU 07ATEX1147U  | Certificate no. empty enclosure (IECEX) | IECEX IBE 09.0018U        |
| Certificate no. empty enclosure (INMETRO) | IEx 13.0002U   | Certificate no., empty enclosure (EAC)  | C-DE.HB07.B.00089/20      |
| Declaration of Conformity No. (DoC LVD)   | DE PS2620 160412 001ISS01  |   |                           |

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## Technische Daten

### General information

|                             |   |                                 |   |
|-----------------------------|---|---------------------------------|---|
| Access opening: height      | 130 mm  | Access opening: width           | 132 mm                                  |
| Areas of use                | Explosive risk zone, Packaging industry, Transportation, Process industry, Marine engineering | Enclosure attachment            | Welded-on mounting foot with 8-mm holes |
| Flange plate                | No  | Impact resistance               | 10 J version standard, 7 J ATEX version |
| Integral fixing             | TAS 20 rail welded to floor   | Lid                             | Yes                                     |
| Lid attachment              | M5 hexagonal screw with slot and 10mm distance across flats                                   | Material                        | Stainless steel 1.4404 (316L)           |
| Material thickness of cover | 1.5 mm  | Material thickness of enclosure | 1.5 mm                                  |
| Number of lid screws        | 4   | Operating temperature, max.     | 100 °C                                  |
| Operating temperature, min. | -60 °C  | Protection class (UL)           | Type 4, Type 4X                         |
| Protection degree           | IP66  | Seal material                   | Silicone                                |
| Surface finish              | Mirror polished   | Torque for lid screws           | 2.5 Nm                                  |

### Housing earth

|                            |   |                            |  |
|----------------------------|---|----------------------------|--|
| Cross-section , max.       | 25 mm <sup>2</sup>                      | Earth, enclosure, cover    | Welded-on M6 x 10 stainless-steel earth stud |
| Earth, enclosure, external | Welded-on M6 x 16 stainless-steel bolts | Earth, enclosure, internal | Welded-on M6 x 16 stainless-steel bolts      |

### vertical assembly

|                             |      |                 |      |
|-----------------------------|------|-----------------|------|
| WDU 10 / ZDU 10             | 1x11 | WDU 16 / ZDU 16 | 1x9  |
| WDU 2,5 / ZDU 2,5 / IDU 2,5 | 1x23 | WDU 4 / ZDU 4   | 1x19 |
| WDU 6 / ZDU 6               | 1x14 |                 |      |

### Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002503    | ETIM 7.0    | EC002503    |
| ETIM 8.0    | EC002503    | ECLASS 9.0  | 27-18-05-02 |
| ECLASS 9.1  | 27-18-05-02 | ECLASS 10.0 | 27-18-05-02 |
| ECLASS 11.0 | 27-18-05-02 | ECLASS 12.0 | 27-18-05-02 |

### Important note

Product information The ambient temperature for the assembly will be reduced to +60°C and the surface temperature to +100°C.

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## Technische Daten

### Approvals

Approvals



|                         |            |
|-------------------------|------------|
| ROHS                    | Conform    |
| UL File Number Search   | UL Website |
| Certificate no. (cULus) | E256877    |

### Downloads

|   |  |
|---|--|
| Approval/Certificate/Document of Conformity | <a href="#">C-DE.HB07.B.00089-Empty Enclosures and Ex. Terminal Box</a><br><a href="#">C-DE.AJ54.B.00251.19 Ind. Terminal Box</a><br><a href="#">CCC 2020322303002356 STB Assembly Enclosure</a><br><a href="#">UKCA TÜV 22 UKEX 7099 U</a><br><a href="#">UKCA TÜV 22 UKEX 7100</a><br><a href="#">Attestation of Conformity - Klippon STB Empty Enclosures - AoC DE PS2620 160308 001ISS04</a><br><a href="#">RUC-DE.BE02.B.00173</a><br><a href="#">08_20032</a><br><a href="#">IBEXU07ATEX1148</a><br><a href="#">IECEXIBE09.0018U</a><br><a href="#">IECEXIBE09.0019</a><br><a href="#">IEX13.0002U</a><br><a href="#">IEX13.0003</a><br><a href="#">15.40041.250</a><br><a href="#">16-AV4BO-247X</a><br><a href="#">59358-08</a><br><a href="#">IBEXU07ATEX1147U</a><br><a href="#">INMETRO Certificado LMP 21.0018 KLIPPON STB</a><br><a href="#">EU Declaration of Conformity - Klippon STB Empty Enclosures Ex - DoC DE PS2620 160412 001ISS01</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>  |
| Engineering Data                            | <a href="#">WSCAD, EPLAN</a>   |
| Tender specification                        | <a href="#">Klippon STB 2 SS_1002740000_DE</a><br><a href="#">Klippon STB 2 SS_1002740000_EN</a>   |
| User Documentation                          | <a href="#">Assembly guidelines - empty enclosures</a>   |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>   |
| Brochures                                   | <a href="#">MB OVERV. PROCESS WD DE</a><br><a href="#">MB KLIPPON ENCL.TECN EN</a><br><a href="#">MB PROCESS EN</a><br><a href="#">FL KLIPPON STB EN</a><br><a href="#">FL SHIPBUILDING 2016 EN</a><br><a href="#">FL SHIPBUILDING 2016 EN</a>   |

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## Zeichnungen

### Dimensioned drawing

