

KLIPPON STB 2 SS**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**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. | 1002740000 |
| Type | KLIPPON STB 2 SS |
| GTIN (EAN) | 4032248695676 |
| Qty. | 1 pc(s). |

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Technical data

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 |
|-----------------------|-----------------|

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, IECEx, INMETRO, LR, RMRS, UL AEx Class Div., UL AEx Class Zone, cULus, KC, CCC | Attestation of Conformatiy No. (AoC) | DE PS2620 160308 001ISS02 |
| Certificate No. (ATEX) | IBEXU07ATEX1148 | Certificate No. (IECEX) | IECEXIBE09.0018U |
| Certificate no. (INMETRO) | IEX13.0002U | Certificate no. (cULus) | E256877 |
| Certificate no. Terminal Box (AEx) | E223792 | Certificate no. Terminal Box (ATEX) | IBEXU07ATEX1148 |
| 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) | LMP 21.0015U |
| Declaration of Conformatiy No. (DoC LVD) | DE PS2620 160412 001ISS01 | | |

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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 ² | 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 | ETIM 9.0 | 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 | ECLASS 13.0 | 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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Technical data

Approvals

Approvals



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

Downloads

| | |
|---|--|
| Approval/Certificate/Document of Conformity | CCC 2020322303002356 STB Assembly Enclosure UKCA TÜV 22 UKEX 7099 U UKCA TÜV 22 UKEX 7100 Attestation of Conformity - Klippón STB Empty Enclosures - AoC DE PS2620 160308 001ISS04 08_20032 IBEXU07ATEX1148 IECEXIBE09.0018U IECEXIBE09.0019 16-AV4BO-247X 59358-08 IBEXU07ATEX1147U INMETRO Certificado LMP 21.0018 KLIPPON STB CERTIFICADO LMP 21.0015U KLIPPON STB EU Declaration of Conformity - Klippón STB Empty Enclosures Ex - DoC DE PS2620 160412 001ISS01 |
| Engineering Data | CAD data – STEP |
| Tender specification | Klippón STB 2 SS_1002740000_DE Klippón STB 2 SS_1002740000_EN |
| User Documentation | Assembly guidelines - empty enclosures |
| Catalogues | Catalogues in PDF-format |
| Brochures | MB OVERV. PROCESS WD DE MB KLIPPON ENCL.TECN EN MB PROCESS EN FL KLIPPON STB EN FL SHIPBUILDING 2016 EN FL SHIPBUILDING 2016 EN |

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www.weidmueller.com**Drawings****Dimensioned drawing**