

KTB FS 453820 S4E0**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Similar to illustration

Abbildung ähnlich

The Klippon® TB enclosure range provides excellent performance characteristics, even under the most difficult environmental conditions. In addition, it complies with the stricter requirements of potentially explosive atmospheres found in process or power generation industries. The Klippon® TB FS enclosure range offers further improvements to a product line that is already successfully leading the market.

The Klippon® TB FS enclosure range features the following advantages:

- Available in 12 sizes and 3 standard depths
- Equipped with up to 4 gland plates
- The gasket is protected against compression
- Cover lock outside the sealed zone
- Improved temperature performance
- IP66/IP67 protection
- Earthing stud in the cover and base of the enclosure
- Welded mounting feet

General ordering data

| | |
|------------|---|
| Version | Klippon TB FS (Terminal Box - Fixing Screw), Empty enclosure, stainless steel enclosure, Height: 458 mm, Width: 382 mm, Depth: 200 mm, Material: Stainless steel 1.4404 (316L), electropolished, silver |
| Order No. | 1196150000 |
| Type | KTB FS 453820 S4E0 |
| GTIN (EAN) | 4032248978700 |
| Qty. | 1 Stück |

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Technische Daten

Dimensions and weights

| | | | |
|-----------------------------|----------|----------------------------|-------------|
| Depth | 200 mm | Depth (inches) | 7.874 inch |
| Height | 458 mm | Height (inches) | 18.031 inch |
| Width | 382 mm | Width (inches) | 15.039 inch |
| Mounting dimension - height | 305 mm | Mounting dimension - width | 408 mm |
| Net weight | 10,609 g | | |

Temperatures

| | | | |
|-----------------------------|-----------------|----------------------------------|---|
| Operating temperature | -60 °C...135 °C | Operating temperature, min. | -60 °C |
| Operating temperature, max. | 135 °C | Note: room temperature (service) | Limited to IP66 protection when used in temperatures greater than 105 °C. |

Cable glands, left

| | | | |
|-----|----|-----|----|
| M12 | 55 | M16 | 38 |
| M20 | 24 | M25 | 21 |
| M32 | 11 | M40 | 9 |
| M50 | 4 | M63 | 3 |
| M75 | 3 | | |

Cable glands, right

| | | | |
|-----|----|-----|----|
| M12 | 55 | M16 | 38 |
| M20 | 24 | M25 | 21 |
| M32 | 11 | M40 | 9 |
| M50 | 4 | M63 | 3 |
| M75 | 3 | | |

Cable glands, top/bottom

| | | | |
|-----|----|-----|----|
| M12 | 50 | M16 | 34 |
| M20 | 23 | M25 | 18 |
| M32 | 10 | M40 | 8 |
| M50 | 4 | M63 | 3 |
| M75 | 2 | | |

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Certificate numbers enclosure

| | | | |
|---|---|---|---------------------------------------|
| Approval conditions | ATEX, CCoE, DNV, EAC, IECEx, INMETRO, KC, NEPSI, CCC, RMRS, UL AEx Class Div., UL AEx Class Zone, cULus | Attestation of Conformity No. (AoC) | DE PS261X 160309 001ISS03 |
| Certificate No. (ATEX) | KEMA10ATEX0046U | Certificate No. (EAC) | C-DE.HB07.B.00089-20 |
| Certificate No. (IECEX) | IECEXKEM10.0015U | Certificate No. Electronic Box (NEPSI) | 2020322303003289 |
| Certificate No. UL 508A | E223801 | Certificate No. UL Haz.Loc. | E223792 |
| Certificate No. UL Ord.Loc. | E243298 | Certificate No. UL Terminal Box | E223792 |
| Certificate no. (INMETRO) | IEX13.0006U | Certificate no. (cULus) | E256877 |
| Certificate no. Terminal Box (AEx) | E223792 | Certificate no. Terminal Box (ATEX) | IBExU14ATEX1050 |
| Certificate no. Terminal Box (EAC) | C-DE.HB07.B.00089/20 Ex Terminal Box; C-DE.AQ54.B.00251/19 Ind. Terminal Box | Certificate no. Terminal Box (IECEX) | IECEXIBE14.0013 |
| Certificate no. Terminal Box (INMETRO) | LMP 21.0017 | Certificate no. Terminal Box (KOSHA) | 16-AV4BO-0245X |
| Certificate no. empty enclosure (ATEX) | IBExU14ATEX1028 U | Certificate no. empty enclosure (ECAS) | 21-09-25241/ E21-09-053807 |
| Certificate no. empty enclosure (IECEX) | IECEX IBE 14.0004U | Certificate no. empty enclosure (INMETRO) | IEX 17.0020U |
| Certificate no., empty enclosure (EAC) | C-DE.HB07.B.00089/20 | Declaration of Conformity No. (DoC LVD) | DE PS261X 160412 001ISS02 |

General information

| | | | |
|---------------------------------|--|-----------------------------|--|
| AF size | 10 mm | Access opening: height | 428 mm |
| Access opening: width | 352 mm | Areas of use | Explosive risk zone, Process industry, Oil and gas industry, Chemical industry, Offshore, Onshore |
| Dimension of box | 580x620x290 | Enclosure attachment | 4 welded-on mounting feet with 11 mm holes (2 slotted feet and 2 cross-shaped feet) |
| Flange plate | No | Impact resistance | 7 J ATEX version, 10 J version standard |
| Integral fixing | 4, 6 or 9 stud bolts M6 inner (female) thread | Lid attachment | M6 hex-head slotted screws SW10 |
| Material | Stainless steel 1.4404 (316L) | Material thickness of cover | 1.5 mm |
| Material thickness of enclosure | 1.5 mm | Max. payload | 70 kg |
| Note: protection class | If used in temperature ranges above 105 °C, IP protection is limited to IP 66. | Number of lid screws | 4 |
| Operating temperature, max. | 135 °C | Operating temperature, min. | -60 °C |
| Overall dimensions | 458 x 433 x 208.5 | Position PE bolts | Enclosure side C |
| Protection class (UL) | Type 3, Type 4X, Type 12 | Protection degree | IP66, IP67 |
| Seal material | Silicone | Standards | DIN EN 62208 - Empty enclosure standard, DIN EN 15085-2, EN 60079-0, EN 60079-7, EN 60079-31, IEC 60079-0, IEC 60079-7, IEC 60079-31 |
| Surface finish | electropolished | Torque for lid screws | 2.5 Nm |

Erstellungs-Datum May 22, 2023 3:40:23 PM CEST

Katalogstand 12.05.2023 / Technische Änderungen vorbehalten

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Technische Daten

Housing earth

Earth, enclosure, internal
 Welded-on M6 stainless-steel earth stud in enclosure body and lid., Continuous M10 earth stud in body enclosure

horizontal assembly

| | | | |
|-----------------------------|------|-----------------|------|
| WDU 10 / ZDU 10 | 2x29 | WDU 16 / ZDU 16 | 2x24 |
| WDU 2,5 / ZDU 2,5 / IDU 2,5 | 4x58 | WDU 35 / ZDU 35 | 1x18 |
| WDU 4 / ZDU 4 | 3x48 | WDU 6 / ZDU 6 | 3x36 |

vertical assembly

| | | | |
|-----------------------------|------|-----------------|------|
| WDU 10 / ZDU 10 | 2x37 | WDU 16 / ZDU 16 | 2x31 |
| WDU 2,5 / ZDU 2,5 / IDU 2,5 | 3x73 | WDU 35 / ZDU 35 | 1x23 |
| WDU 4 / ZDU 4 | 2x62 | WDU 6 / ZDU 6 | 2x46 |

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 |

Environmental Product Compliance

| | |
|------------|--------------------------------------|
| REACH SVHC | Lead 7439-92-1 |
| SCIP | 8d5fcdfe-c58e-44e1-a6b4-74d2bbccc9dd |

Approvals

Approvals



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

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Technische Daten

Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | C-DE.HB07.B.00089-Empty Enclosures and Ex. Terminal Box C-DE.AJ54.B.00251.19 Ind. Terminal Box CCC 2020322303002358 KTB Assembly Enclosure CCC 2020322303002357 KTB Empty Enclosure Attestation of Conformity - Klippon TB Empty Enclosures - AoC DE PS261X 160309 001ISS05 IEX17.0020U IBEXU14ATEX1028U IBEXU14ATEX1050 IECEXIBE14.0004U IECEXIBE14.0013 TAE000013S 15.40073.250 RUC-DE.MIO62.B.04799 GYJ14.1310X IECEXPTB11.0071 PTB11ATEX2019 16-AV4BO-245X P4610581_1 21-09-25241/E21-09-053807 LMP 21.0017 - CAIXA DE JUNÇÃO KLIPPON TB - KTB MH QL FS EU Declaration of Conformity - Klippon TB Empty Enclosures - DoC DE PS261X 160412 001ISS03 DoM Railway applications - Fire protection on railway vehicles |
| Engineering Data | CAD data – STEP |
| Engineering Data | WSCAD, EPLAN |
| Tender specification | Klippon TB FS 453820 S4E0_1196150000_DE Klippon TB FS 453820 S4E0_1196150000_EN Klippon TB FS 453820 S4E0_1196150000_NL |
| 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 WIND 2012 EN FL APPL PROCESS EN FL SHIPBUILDING 2016 EN FL RAILWAY 2014 EN PI KLIPPON TB MH QL EN |

Dimensioned drawing

