

**KTB FS 484815 S4E3****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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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: 480 mm, Width: 480 mm, Depth: 150 mm, Gland plates: Bottom, left, right, Material: Stainless steel 1.4404 (316L), electropolished, silver |
| Order No.  | <a href="#">1196230000</a>                                                                                                                                                                                                                 |
| Type       | KTB FS 484815 S4E3                                                                                                                                                                                                                         |
| GTIN (EAN) | 4032248979127                                                                                                                                                                                                                              |
| Qty.       | 1 pc(s).                                                                                                                                                                                                                                   |

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**Technical data**
**Dimensions and weights**

|                             |          |                            |             |
|-----------------------------|----------|----------------------------|-------------|
| Depth                       | 150 mm   | Depth (inches)             | 5.905 inch  |
| Height                      | 480 mm   | Height (inches)            | 18.898 inch |
| Width                       | 480 mm   | Width (inches)             | 18.898 inch |
| Mounting dimension - height | 327 mm   | Mounting dimension - width | 536 mm      |
| Net weight                  | 13,680 g |                            |             |

**Temperatures**

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

**Environmental Product Compliance**

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

**Cable glands, left**

|     |    |     |    |
|-----|----|-----|----|
| M12 | 36 | M16 | 20 |
| M20 | 17 | M25 | 7  |
| M32 | 6  | M40 | 5  |
| M50 | 4  | M63 | 0  |
| M75 | 0  |     |    |

**Cable glands, right**

|     |    |     |    |
|-----|----|-----|----|
| M12 | 36 | M16 | 20 |
| M20 | 17 | M25 | 7  |
| M32 | 6  | M40 | 5  |
| M50 | 4  | M63 | 0  |
| M75 | 0  |     |    |

**Cable glands, top/bottom**

|     |    |     |    |
|-----|----|-----|----|
| M12 | 39 | M16 | 22 |
| M20 | 19 | M25 | 8  |
| M32 | 7  | M40 | 6  |
| M50 | 5  | M63 | 0  |
| M75 | 0  |     |    |

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**Technical data**
**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 Conformatiy No. (AoC)      | DE PS261X 160309 001ISS03                   |
| Certificate No. (ATEX)                  | KEMA10ATEX0048                                                                                          | Certificate No. (CCOE)                    | CCOEP267536/2                               |
| Certificate No. (DNVGL)                 | TAE000013S                                                                                              | Certificate No. (EAC)                     | C-DE.HB07.B.00089-20                        |
| Certificate No. (IECEX)                 | IECEXKEM10.0017                                                                                         | 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)               | IEX17.0021                                                                                              | 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.A154.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)    | <b>21-09-25241/</b><br><b>E21-09-053807</b> |
| 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 Conformatiy No. (DoC LVD)  | DE PS261X 160412 001ISS02                   |

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**General information**

|                                 |                                                                                                                                      |                              |                                                                                                   |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------------------|
| AF size                         | 10 mm                                                                                                                                | Access opening: height       | 450 mm                                                                                            |
| Access opening: width           |                                                                                                                                      | Areas of use                 | Explosive risk zone, Process industry, Oil and gas industry, Chemical industry, Offshore, Onshore |
|                                 | 450 mm                                                                                                                               | Enclosure attachment         | 4 welded-on mounting feet with 11 mm holes (2 slotted feet and 2 cross-shaped feet)               |
| Dimension of box                | 640x680x240                                                                                                                          | Flange plate mounting        | M6 hexagonal head screws 10 SW                                                                    |
| Flange plate                    | Yes                                                                                                                                  | Impact resistance            | 7 J ATEX version, 10 J version standard                                                           |
| Gland plates                    | Bottom, left, right                                                                                                                  | Lid attachment               | M6 hex-head slotted screws SW10                                                                   |
| Integral fixing                 | 4, 6 or 9 stud bolts M6 inner (female) thread                                                                                        | Material thickness of cover  | 1.5 mm                                                                                            |
| Material                        | Stainless steel 1.4404 (316L)                                                                                                        | Material thickness of flange | 3 mm                                                                                              |
| Material thickness of enclosure | 1.5 mm                                                                                                                               | Note: protection class       | If used in temperature ranges above 105 °C, IP protection is limited to IP 66.                    |
| Max. payload                    | 92 kg                                                                                                                                | Operating temperature, max.  | 135 °C                                                                                            |
| Number of lid screws            | 4                                                                                                                                    | Overall dimensions           | 491 x 561 x 158.5                                                                                 |
| Operating temperature, min.     | -60 °C                                                                                                                               | Protection class (UL)        | Type 3, Type 4x, Type 12                                                                          |
| Position PE bolts               | Enclosure side C                                                                                                                     | Seal material                | Silicone                                                                                          |
| Protection degree               | IP66, IP67                                                                                                                           | Surface finish               | electropolished                                                                                   |
| 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 |                              |                                                                                                   |
| Torque for lid screws           | 2.5 Nm                                                                                                                               |                              |                                                                                                   |

**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             | 3x39 | WDU 16 / ZDU 16 | 2x32 |
| WDU 2,5 / ZDU 2,5 / IDU 2,5 | 4x77 | WDU 35 / ZDU 35 | 2x24 |
| WDU 4 / ZDU 4               | 3x64 | WDU 6 / ZDU 6   | 3x48 |

**vertical assembly**

|                             |      |                 |      |
|-----------------------------|------|-----------------|------|
| WDU 10 / ZDU 10             | 2x39 | WDU 16 / ZDU 16 | 2x33 |
| WDU 2,5 / ZDU 2,5 / IDU 2,5 | 4x78 | WDU 35 / ZDU 35 | 1x25 |
| WDU 4 / ZDU 4               | 3x65 | WDU 6 / ZDU 6   | 3x49 |

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**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 Minimum order quantity (5 pieces)

**Approvals**

Approvals



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

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## Technical data

### 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 2020322303002358 KTB Assembly Enclosure</a><br><a href="#">CCC 2020322303002357 KTB Empty Enclosure</a><br><a href="#">Attestation of Conformity - Klippon TB Empty Enclosures - AoC DE PS261X 160309 001ISS05 IEX17.0020U</a><br><a href="#">IBEXU14ATEX1028U</a><br><a href="#">IBEXU14ATEX1050</a><br><a href="#">IECEXIBE14.0004U</a><br><a href="#">IECEXIBE14.0013</a><br><a href="#">TAE000013S</a><br><a href="#">15.40073.250</a><br><a href="#">RUC-DE.MIO62.B.04799</a><br><a href="#">GYJ14.1310X</a><br><a href="#">IECEXPTB11.0071</a><br><a href="#">PTB11ATEX2019</a><br><a href="#">16-AV4BO-245X</a><br><a href="#">P4610581_1</a><br><a href="#">21-09-25241/E21-09-053807</a><br><a href="#">LMP 21.0017 - CAIXA DE JUNÇÃO KLIPPON TB - KTB MH QL FS</a><br><a href="#">EU Declaration of Conformity - Klippon TB Empty Enclosures - DoC DE PS261X 160412 001ISS03</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Engineering Data                            | <a href="#">EPLAN, WSCAD</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Tender specification                        | <a href="#">Klippon TB FS 484815 S4E3_1196230000_DE</a><br><a href="#">Klippon TB FS 484815 S4E3_1196230000_EN</a><br><a href="#">Klippon TB FS 484815 S4E3_1196230000_NL</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 WIND 2012 EN</a><br><a href="#">FL APPL PROCESS EN</a><br><a href="#">FL SHIPBUILDING 2016 EN</a><br><a href="#">FL RAILWAY 2014 EN</a><br><a href="#">PI KLIPPON TB MH QL EN</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

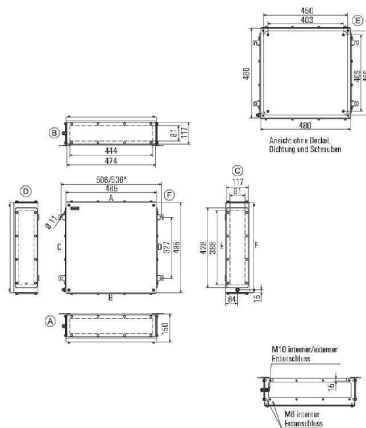
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## Drawings

### Dimensioned drawing



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