# KTB FS 624515 S4E2

**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: 620 mm, Width: 450 mm, Depth: 150 mm, Gland plates: Bottom, top, Material: Stainless steel 1.4404 (316L), electropolished, silver |
| Order No. | 1196420000 |
| Type | KTB FS 624515 S4E2 |
| GTIN (EAN) | 4032248979370 |
| Qty. | 1 pc(s). |

# KTB FS 624515 S4E2

**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

## Technical data

### Dimensions and weights

| | | | |
|---|---|---|---|
| Depth | 150 mm | Depth (inches) | 5.905 inch |
| Height | 620 mm | Height (inches) | 24.409 inch |
| Width | 450 mm | Width (inches) | 17.716 inch |
| Mounting dimension - height | 450 mm | Mounting dimension - width | 476 mm |
| Net weight | 12,690 g | | |

### Temperatures

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

### Cable glands, left

| | | | |
|---|---|---|---|
| M12 | 48 | M16 | 27 |
| M20 | 24 | M25 | 10 |
| M32 | 9 | M40 | 7 |
| M50 | 6 | M63 | 0 |
| M75 | 0 | | |

### Cable glands, right

| | | | |
|---|---|---|---|
| M12 | 48 | M16 | 27 |
| M20 | 24 | M25 | 10 |
| M32 | 9 | M40 | 7 |
| M50 | 6 | M63 | 0 |
| M75 | 0 | | |

### Cable glands, top/bottom

| | | | |
|---|---|---|---|
| M12 | 38 | M16 | 21 |
| M20 | 18 | M25 | 8 |
| M32 | 6 | M40 | 5 |
| M50 | 4 | M63 | 0 |
| M75 | 0 | | |

### Certificate numbers enclosure

| | | | |
|---|---|---|---|
| Approval conditions | ATEX, CCoE, DNV, IECEX, INMETRO, KC, NEPSI, CCC, UL AEx Class Div., UL AEx Class Zone, cULus | Attestation of Conformatiy No. (AoC) | DE PS261X 160309 001ISS06 |
| Certificate No. (ATEX) | KEMA10ATEX0046U | Certificate No. (DNV) | TAE000013S |
| 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) | IEX13.0007 | Certificate no. (cULus) | E256877 |
| Certificate no. Terminal Box (AEx) | E223792 | Certificate no. Terminal Box (ATEX) | IBExU14ATEX1050 |
| 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) | LMP 21.0016U | Declaration of Conformatiy No. (DoC LVD) | DE PS261X 160412 001ISS03 |

# KTB FS 624515 S4E2

**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

## Technical data

### General information

| | | | |
|---|---|---|---|
| AF size | 10 mm | Access opening: height | 590 mm |
| Access opening: width | 398 mm | Areas of use | Explosive risk zone, Process industry, Oil and gas industry, Chemical industry, Offshore, Onshore |
| Dimension of box | 630x770x240 | Enclosure attachment | 4 welded-on mounting feet with 11 mm holes (2 slotted feet and 2 cross-shaped feet) |
| Flange plate | Yes | Flange plate mounting | M6 hexagonal head screws 10 SW |
| Gland plates | Bottom, top | 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 | Material thickness of flange | 3 mm |
| Max. payload | 112 kg | Note: protection class | If used in temperature ranges above 105 °C, IP protection is limited to IP 66. |
| Number of lid screws | 6 | Operating temperature, max. | 135 °C |
| Operating temperature, min. | -60 °C | Overall dimensions | 642 x 501 x 158.5 |
| 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 | | |

### 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 | 4x36 | WDU 16 / ZDU 16 | 3x30 |
| WDU 2,5 / ZDU 2,5 / IDU 2,5 | 5x71 | WDU 35 / ZDU 35 | 2x22 |
| WDU 4 / ZDU 4 | 5x59 | WDU 6 / ZDU 6 | 4x45 |

### vertical assembly

| | | | |
|---|---|---|---|
| WDU 10 / ZDU 10 | 2x53 | WDU 16 / ZDU 16 | 2x44 |
| WDU 2,5 / ZDU 2,5 / IDU 2,5 | 3x105 | WDU 35 / ZDU 35 | 1x33 |
| WDU 4 / ZDU 4 | 3x88 | WDU 6 / ZDU 6 | 3x66 |

# KTB FS 624515 S4E2

**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

## Technical data

### 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 |
| ECLASS 14.0 | 27-18-05-02 | | |

### Environmental Product Compliance

| | |
|---|---|
| REACH SVHC | Lead 7439-92-1 |
| SCIP | 8d5fcdfe-c58e-44e1-a6b4-74d2bbccc9dd |
| RoHS Compliance Status | Compliant with exemption |
| RoHS Exemption (if applicable/known) | 6c |

### Approvals

Approvals

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

# KTB FS 624515 S4E2

**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

## Technical data

### Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | CCC 2020322303002358 KTB Assembly Enclosure<br>CCC 2020322303002357 KTB Empty Enclosure<br>Attestation of Conformity - Klippon TB Empty Enclosures - AoC DE PS261X 160309 001ISS06<br>IBEXU14ATEX1028U<br>IBEXU14ATEX1050<br>IECEXIBE14.0004U<br>IECEXIBE14.0013<br>TAE000013S<br>GYJ14.1310X<br>IECEXPTB11.0071<br>PTB11ATEX2019<br>16-AV4BO-245X<br>P4610581_1<br>24-01-100099/E24-01-102546/NB10<br>LMP 21.0017 - CAIXA DE JUNÇÃO KLIPPON TB - KTB MH QL FS<br>CERTIFICADO - LMP 21.0016U KLIPPON TB<br>CERTIFICADO LMP 21.0017 KLIPPON TB<br>EU Declaration of Conformity - Klippon TB Empty Enclosures - DoC DE PS261X 160412 001ISS03 |
| Engineering Data | CAD data – STEP |
| Tender specification | Klippon TB FS 624515 S4E2_1196420000_DE<br>Klippon TB FS 624515 S4E2_1196420000_EN<br>Klippon TB FS 624515 S4E2_1196420000_NL |
| User Documentation | Assembly guidelines - empty enclosures |
| Catalogues | Catalogues in PDF-format |
| Brochures | MB OVERV. PROCESS WD DE<br>MB KLIPPON ENCL.TECN EN<br>MB PROCESS EN<br>FL WIND 2012 EN<br>FL APPL PROCESS EN<br>FL SHIPBUILDING 2016 EN<br>FL RAILWAY 2014 EN<br>PI KLIPPON TB MH QL EN |

## KTB FS 624515 S4E2

**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

# Drawings

### Dimensioned drawing

