

**KTB QL 624020 S4E3****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Similar to illustration**

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 specifically in the process or power generation industries. The Klippon® TB QL enclosure range offers further improvements to a product line that is already successfully leading the market.

The Klippon® TB QL enclosure series features the following advantages:

- Available in 19 sizes and 3 standard depths
- Equipped with up to 4 gland plates
- The gasket is protected against compression
- Quick-locking cover, comes with a slot as standard
- Improved temperature performance
- IP66 protection
- Earthing stud in the cover and base of the enclosure
- Welded mounting feet
- International approvals

**General ordering data**

|            |                                                                                                                                                                                                                       |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Version    | Klippon TB QL (Terminal Box - Quarter Lock), Empty enclosure, Height: 620 mm, Width: 406 mm, Depth: 200 mm, Gland plates: left, right, Bottom, Basic material: Stainless steel 1.4404 (316L), electropolished, silver |
| Order No.  | <a href="#">8000109907</a>                                                                                                                                                                                            |
| Type       | KTB QL 624020 S4E3                                                                                                                                                                                                    |
| GTIN (EAN) | 4099986760028                                                                                                                                                                                                         |
| Qty.       | 1 items                                                                                                                                                                                                               |

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## Technical data

## Approvals

Approvals



ROHS

Conform

## Dimensions and weights

|            |              |                 |              |
|------------|--------------|-----------------|--------------|
| Depth      | 200 mm       | Depth (inches)  | 7.874 inch   |
| Height     | 620 mm       | Height (inches) | 24.4094 inch |
| Width      | 406 mm       | Width (inches)  | 15.9842 inch |
| Net weight | 4458389.89 g |                 |              |

## Temperatures

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

## Environmental Product Compliance

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| RoHS Compliance Status               | Compliant with exemption             |
| RoHS Exemption (if applicable/known) | 6c                                   |
| REACH SVHC                           | Lead 7439-92-1                       |
| SCIP                                 | 64dfc213-93f0-4c79-8ffa-c97fa9dcb873 |

## Cable glands, left

|     |     |     |    |
|-----|-----|-----|----|
| M63 | 5   | M75 | 4  |
| M12 | 125 | M50 | 6  |
| M16 | 68  | M32 | 20 |
| M25 | 39  | M20 | 64 |
| M40 | 16  |     |    |

## Cable glands, right

|     |     |     |    |
|-----|-----|-----|----|
| M25 | 39  | M63 | 5  |
| M75 | 4   | M16 | 68 |
| M40 | 16  | M50 | 6  |
| M32 | 20  | M20 | 64 |
| M12 | 125 |     |    |

## Cable glands, top/bottom

|     |    |     |     |
|-----|----|-----|-----|
| M20 | 44 | M12 | 102 |
| M63 | 3  | M40 | 10  |
| M32 | 14 | M25 | 27  |
| M50 | 4  | M75 | 2   |
| M16 | 65 |     |     |

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**Technical data**
**Certificate numbers enclosure**

|                                           |                             |                                         |                           |
|-------------------------------------------|-----------------------------|-----------------------------------------|---------------------------|
| Certificate No. UL Haz.Loc.               | E223792                     | Declaration of Conformity No. (DoC LVD) | DE PS261X 160412 001ISS03 |
| Certificate No. UL Ord.Loc.               | E243298                     | Certificate No. UL 508A                 | E223801                   |
| Attestation of Conformity No. (AoC)       | DE PS261X 160309 001ISS06   | Certificate No. UL Terminal Box         | E223792                   |
| Certificate no. empty enclosure (INMETRO) | LMP 21.0016U                | Certificate no. Terminal Box (ATEX)     | IBExU14ATEX1050           |
| Certificate no. empty enclosure (ATEX)    | IBExU14ATEX1028 U           | Certificate no. Terminal Box (INMETRO)  | LMP 21.0017               |
| Certificate no. Terminal Box (IECEX)      | IECEXIBE14.0013             | Certificate no. empty enclosure (IECEX) | IECEX IBE 14.0004U        |
| Approval conditions                       | ATEX, IECEX, INMETRO, cULus |                                         |                           |

**General information**

|                                 |                                                                                                                                                               |                               |                                                                                     |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------------------------------------------------------------------------------|
| Material thickness of cover     | 1.5 mm                                                                                                                                                        | Material thickness of flange  | 3 mm                                                                                |
| Material thickness of enclosure | 1.5 mm                                                                                                                                                        | Material thickness            | 1.5 mm                                                                              |
| Silicone                        | Yes                                                                                                                                                           | Operating temperature, max.   | 135 °C                                                                              |
| Operating temperature, min.     | -60 °C                                                                                                                                                        | Lid attachment                | 4 hinges and M6 hex-head slotted screws SW10                                        |
| Standards                       | DIN EN 62208 - Empty enclosure standard, DIN EN 61373 Class 1B**, 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                                                                     |
| Impact resistance               | 10 J version standard, 7 joules in acc. with IEC 60079-0                                                                                                      | Protection degree             | IP66, IP67                                                                          |
| Basic material                  | Stainless steel 1.4404 (316L)                                                                                                                                 | Seal material                 | Silicone                                                                            |
| Integral fixing                 | 4, 6 or 9 stud bolts M6 inner (female) thread                                                                                                                 | Enclosure attachment          | 4 welded-on mounting feet with 11 mm holes (2 slotted feet and 2 cross-shaped feet) |
| Seal material of cover          | Silicone                                                                                                                                                      | Note: protection class        | If used in temperature ranges above 105 °C, IP protection is limited to IP 66.      |
| Flange plate mounting           | M6 hexagonal head screws 10 SW                                                                                                                                | Seal material of flange plate | Silicone                                                                            |
| Protection class (UL)           | Type 3, Type 4X, Type 12                                                                                                                                      | Gland plates                  | left, right, Bottom                                                                 |
| Opening angle lid               | 130.00 °                                                                                                                                                      | Flange plate                  | No                                                                                  |
| Lid                             | Yes                                                                                                                                                           | Position PE bolts             | Enclosure side C                                                                    |
| Areas of use                    | Explosive risk zone, Process industry, Oil and gas industry, Chemical industry, Offshore, Onshore                                                             |                               |                                                                                     |

**Housing earth**

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

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**Technical data**
**horizontal assembly**

|                             |      |                 |      |
|-----------------------------|------|-----------------|------|
| WDU 10 / ZDU 10             | 4x30 | WDU 16 / ZDU 16 | 3x24 |
| WDU 2,5 / ZDU 2,5 / IDU 2,5 | 5x59 | WDU 35 / ZDU 35 | 2x18 |
| WDU 4 / ZDU 4               | 5x49 | WDU 6 / ZDU 6   | 4x37 |

**vertical assembly**

|                             |       |                 |      |
|-----------------------------|-------|-----------------|------|
| WDU 10 / ZDU 10             | 2x49  | WDU 16 / ZDU 16 | 2x42 |
| WDU 2,5 / ZDU 2,5 / IDU 2,5 | 3x101 | WDU 35 / ZDU 35 | 1x31 |
| WDU 4 / ZDU 4               | 3x83  | WDU 6 / ZDU 6   | 3x62 |

**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC002503    | ETIM 9.0    | EC002503    |
| ETIM 10.0   | EC002503    | ECLASS 14.0 | 27-18-05-02 |
| ECLASS 15.0 | 27-18-05-02 |             |             |