

**KEBIHS504020S2N1 AL****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)

The new Klippon® EBi enclosure series has been specially designed for use in industrial environments. It reliably meets all requirements for use in harsh environments and is characterised by attractive performance features. The cost-effective stainless steel enclosures allow a very economical calculation and are also suitable for projects with a limited budget. In addition to Klippon® EBi for industrial applications, there is Klippon® EBx for hazardous areas. Enclosures with cULus approvals are available on request.

**General ordering data**

|            |                                                                                                                                                                                                      |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Version    | Klippon EBi HS (Essential Box industrial - Hinged Screws), Enclosures, Height: 500 mm, Width: 400 mm, Depth: 200 mm, Gland plates: Bottom, Material: Stainless steel 1.4301 (304), untreated, silver |
| Order No.  | <a href="#">8000090355</a>                                                                                                                                                                           |
| Type       | KEBIHS504020S2N1 AL                                                                                                                                                                                  |
| GTIN (EAN) | 4064675855682                                                                                                                                                                                        |
| Qty.       | 1 pc(s).                                                                                                                                                                                             |

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|            |              |                 |             |
|------------|--------------|-----------------|-------------|
| Depth      | 200 mm       | Depth (inches)  | 7.874 inch  |
| Height     | 500 mm       | Height (inches) | 19.685 inch |
| Width      | 400 mm       | Width (inches)  | 15.748 inch |
| Net weight | 11,127.261 g |                 |             |

**Temperatures**

|                       |                |
|-----------------------|----------------|
| Operating temperature | -40 °C...85 °C |
|-----------------------|----------------|

**General information**

|                              |                                                                     |                                 |                                                                                     |
|------------------------------|---------------------------------------------------------------------|---------------------------------|-------------------------------------------------------------------------------------|
| Enclosure attachment         | Installation through the housing rear wall                          | Flange plate                    | Yes                                                                                 |
| Gland plates                 | Bottom                                                              | Impact resistance               | 10 J version standard                                                               |
| Lid attachment               | M5 hexagonal screw with slot and 10mm distance across flats + hinge | Material                        | Stainless steel 1.4301 (304)                                                        |
| Material thickness of cover  | 1.5 mm                                                              | Material thickness of enclosure | 1.5 mm                                                                              |
| Material thickness of flange | 3 mm                                                                | Note: protection class          | IP protection is only given after wall mounting using the enclosed sealing washers. |
| Operating temperature, max.  | 85 °C                                                               | Operating temperature, min.     | -40 °C                                                                              |
| Protection degree            | IP66                                                                | Seal material                   | Chloroprene                                                                         |
| Silicone                     | No                                                                  | Surface finish                  | untreated                                                                           |

**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000261    | ETIM 7.0    | EC000261    |
| ETIM 8.0    | EC000261    | ETIM 9.0    | EC000261    |
| ECLASS 9.0  | 27-18-01-01 | ECLASS 9.1  | 27-18-92-90 |
| ECLASS 10.0 | 27-18-01-01 | ECLASS 11.0 | 27-18-01-01 |
| ECLASS 12.0 | 27-18-01-01 | ECLASS 13.0 | 27-18-01-01 |

**Approvals**

Approvals

**Downloads**

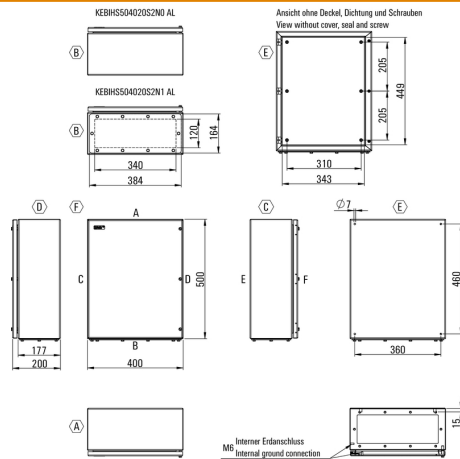
|                                             |                                                                                                                  |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">EU Declaration of Conformity - Klippon EBi Empty Enclosures - DoC KEBI DE PS2650 220428 001ISS00</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>                                                                                  |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                                                         |

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## Drawings



## KEBIHS504020S2N1 AL

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## Accessories

## Mounting plates



Mounting plates, with and without hole patterns, for longitudinal and transverse mounting of DIN mounting rails or components directly onto the mounting plate.

## General ordering data

|            |                            |                                                                     |
|------------|----------------------------|---------------------------------------------------------------------|
| Type       | KEB MOPL 5040 S2N H        | Version                                                             |
| Order No.  | <a href="#">8000074321</a> | Klippon EB (Essential Box), Mounting plate, Height: 440 mm, Width:  |
| GTIN (EAN) | 4064675425304              | 340 mm, Depth: 1.5 mm, Material: Stainless steel 1.4301 (304),      |
| Qty.       | 1 pc(s).                   | untreated, silver                                                   |
| Type       | KEB MOPL 5040 MSZN         | Version                                                             |
| Order No.  | <a href="#">8000074175</a> | Klippon EB (Essential Box), Mounting plate, Height: 440 mm, Width:  |
| GTIN (EAN) | 4064675425205              | 340 mm, Depth: 1.5 mm, Material: Sheet steel, galvanized, silver    |
| Qty.       | 1 pc(s).                   |                                                                     |
| Type       | GFSC M5X10 TX20 SET        | Version                                                             |
| Order No.  | <a href="#">1274150000</a> | Klippon EB (Essential Box), Mounting screw, Height: 13.3 mm, Width: |
| GTIN (EAN) | 4050118063820              | 8.5 mm, Depth: 8.5 mm, Material: Steel, galvanized, galvanic zinc   |
| Qty.       | 1 pc(s).                   | plated and passivated, silver                                       |

## Spacer



Stainless steel spacers in three lengths to increase the distance between the mounting rails or DIN rails and the rear wall of the enclosure.

## General ordering data

|            |                            |                                                                    |
|------------|----------------------------|--------------------------------------------------------------------|
| Type       | SP M6 15 MSZN              | Version                                                            |
| Order No.  | <a href="#">3896100000</a> | Klippon EB (Essential Box), Spacer, Height: 11.2 mm, Width: 10 mm, |
| GTIN (EAN) | 4008190857851              | Depth: 15 mm, Material: Steel, silver                              |
| Qty.       | 2 pc(s).                   |                                                                    |
| Type       | SP M6 30 MSZN              | Version                                                            |
| Order No.  | <a href="#">3896300000</a> | Klippon EB (Essential Box), Spacer, Height: 11.2 mm, Width: 10 mm, |
| GTIN (EAN) | 4008190850241              | Depth: 30 mm, Material: Steel, silver                              |
| Qty.       | 2 pc(s).                   |                                                                    |
| Type       | SP M6 20 MSZN              | Version                                                            |
| Order No.  | <a href="#">3896200000</a> | Klippon EB (Essential Box), Spacer, Height: 11.2 mm, Width: 10 mm, |
| GTIN (EAN) | 4008190850234              | Depth: 20 mm, Material: Steel, silver                              |
| Qty.       | 2 pc(s).                   |                                                                    |

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## Accessories

## Installation material



### Integrate, expand and customise - the perfect supplement to every application

The fully structured range of system accessories for the new Klippon® TB enclosure series allows you to easily adapt the enclosures to meet the specific requirements of every application.

#### Mounting hardware kits

Mounting hardware kits are available for quick and easy installation of type label holders, document holders and rain hoods.

The **label fastening set – SD** is required to install a plastic (Trafolyte) ID or type label. With the aid of this set can you mount the ID or type label directly on the enclosure cover. The label fastening set has been specially developed for this purpose. Only by using this fastening set can you ensure that there will be no leaks into the enclosure or damage to the label.

The **universal fastening set – TPSD** has been developed to enable secure and quick installation of type label holders, rain covers or document holders, for example. By using this fastening set, the risk of leaks can be minimised, if not avoided.

## General ordering data

|            |                            |                                                                    |
|------------|----------------------------|--------------------------------------------------------------------|
| Type       | LKSC M6X8 A2 TX30          | Version                                                            |
| Order No.  | <a href="#">2704960000</a> | Klippon TB (Terminal Box), Set of fixings, Height: 11.3 mm, Width: |
| GTIN (EAN) | 4050118753196              | 13.6 mm, Depth: 13.6 mm, Material: Stainless steel, rust-proof,    |
| Qty.       | 500 pc(s).                 | untreated, silver                                                  |

## Document holders



Document holders for the proper storage of documents in the enclosure.

## General ordering data

|            |                            |                                                                  |
|------------|----------------------------|------------------------------------------------------------------|
| Type       | DOHA KEB A5 S4B R          | Version                                                          |
| Order No.  | <a href="#">8000075808</a> | Klippon EB (Essential Box), Enclosures, Riveted, Height: 125 mm, |
| GTIN (EAN) | 4064675425649              | Depth: 20 mm, Material: Stainless steel 1.4404, silver           |
| Qty.       | 1 pc(s).                   |                                                                  |
| Type       | DOHA KEB A4 S4B R          | Version                                                          |
| Order No.  | <a href="#">8000075809</a> | Klippon EB (Essential Box), Enclosures, Riveted, Height: 175 mm, |
| GTIN (EAN) | 4064675425656              | Depth: 20 mm, Material: Stainless steel 1.4404, silver           |
| Qty.       | 1 pc(s).                   |                                                                  |

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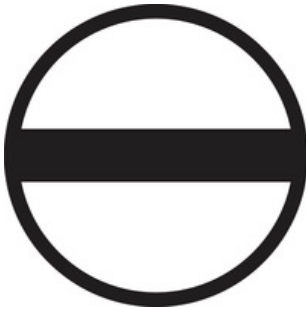
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## Accessories

|            |                            |                                                                        |
|------------|----------------------------|------------------------------------------------------------------------|
| Type       | DOHA KEB A6 S4B R          | Version                                                                |
| Order No.  | <a href="#">8000075807</a> | Klippon EB (Essential Box), Enclosures, Riveted, Height: 95 mm, Depth: |
| GTIN (EAN) | 4064675425359              | 20 mm, Material: Stainless steel 1.4404, silver                        |
| Qty.       | 1 pc(s).                   |                                                                        |

## Slotted screwdriver



VDE insulated screwdriver sets, for working on live parts up to 1000 V AC and 1500 V DC, DIN EN 60900. IEC 900. Each piece is "GS" safety tested. Blade made from fully hardened, high-alloy chromium-vanadium-molybdenum steel, gun-metal finish.

## General ordering data

|            |                            |                                                                     |
|------------|----------------------------|---------------------------------------------------------------------|
| Type       | SDIS SLIM 1.2X6.5X150      | Version                                                             |
| Order No.  | <a href="#">2749640000</a> | Mounting tool, Blade width (B): 6.5 mm, Blade length: 150 mm, Blade |
| GTIN (EAN) | 4050118896381              | thickness (A): 1.2 mm                                               |
| Qty.       | 1 pc(s).                   |                                                                     |

## Mounting feet



With the additionally available mounting feet, the enclosures can also be mounted from outside the enclosure.

## General ordering data

|            |                            |                                                                     |
|------------|----------------------------|---------------------------------------------------------------------|
| Type       | KEB MOFT SMALL S4 SET      | Version                                                             |
| Order No.  | <a href="#">2660200318</a> | Klippon EB (Essential Box), Mounting foot, Height: 38 mm, Width: 55 |
| GTIN (EAN) | 4064675275695              | mm, Depth: 10.5 mm, Material: Steel, untreated, silver              |
| Qty.       | 1 pc(s).                   |                                                                     |

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## Accessories

## Type label holder



There are a variety of designed label holders available for prominent display as required and for additional nameplates as needed.

## General ordering data

|            |                            |                                                                        |
|------------|----------------------------|------------------------------------------------------------------------|
| Type       | TPSDHA KEB 130X50 S4B R    | Version                                                                |
| Order No.  | <a href="#">8000075816</a> | Klippon EB (Essential Box), Enclosures, Riveted, Height: 50 mm, Width: |
| GTIN (EAN) | 4064675425366              | 171 mm, Depth: 16.5 mm, Material: Stainless steel 1.4404 (316L),       |
| Qty.       | 1 pc(s).                   | Brushed, silver                                                        |
| Type       | TPSDHA KEB 100X25 S4B R    | Version                                                                |
| Order No.  | <a href="#">8000075818</a> | Klippon EB (Essential Box), Enclosures, Riveted, Height: 25 mm, Width: |
| GTIN (EAN) | 4064675425632              | 141 mm, Depth: 16.5 mm, Material: Stainless steel 1.4404 (316L),       |
| Qty.       | 1 pc(s).                   | Brushed, silver                                                        |