

Klippon Control Station (control and signalling device)

KLIPPON CS STB 2.1-7

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com



On-site control with Ex-certified Klippon® Control Station:
 small command and signalling devices
 Approved operating and display elements in stainless steel, aluminium or polyester enclosures.
 You want to control and safeguard your work processes in hazardous areas. For on-site control - approved Klippon® enclosure solutions with control and display elements. Let's connect.

General ordering data

| | |
|-------------------|--|
| Type | KLIPPON CS STB 2.1-7 |
| Order No. | 1537370000 |
| Version | Klippon Control Station (control and signalling device), Control / signalling device, KLIPPON STB 2.1 SS, Stainless steel 1.4404 (316L), Pushbutton - green, Pushbutton - red, EMERGENCY-STOP pushbutton with yellow, contrasting label, 2 NO contacts, 2 NC contact, positive opening contacts, -55 °C...+55 °C, IP54, IP66 |
| GTIN (EAN) | 4050118341461 |
| Qty. | 1 pc(s). |
| Reference product | 1002730000 |
| Cable gland | 1460050000 |

Klippon Control Station (control and signalling device)

KLIPPON CS STB 2.1-7

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Technical data

Dimensions and weights

| | | | |
|------------------------------|---------|-----------------|------------|
| Width | 150 mm | Width (inches) | 5.905 inch |
| Height | 190 mm | Height (inches) | 7.48 inch |
| Depth | 81.5 mm | Depth (inches) | 3.209 inch |
| Mounting dimension - width | 145 mm | Net weight | 2,215 g |
| Depth with add-on components | 119 mm | | |

Environmental Product Compliance

REACH SVHC Lead 7439-92-1

Certificate numbers enclosure

| | | | |
|--|--------------------|---|--------------------|
| Certificate no. assembled enclosure (ATEX) | TÜV 14 ATEX 7606 X | Certificate no. assembled enclosure (IECEX) | IECEX ITA 14.0013X |
| Certificate No. (MARITREG) | 15.40082.250 | | |

General information

| | | | |
|--|---|---|---|
| 1 Position in enclosure | Pushbutton - green | 2 Position in enclosure | Pushbutton - red |
| 3 Position in enclosure | EMERGENCY-STOP pushbutton with yellow, contrasting label | Contact design | 2 NO contacts, 2 NC contact, positive opening contacts |
| Operating voltage, max. | 400 V | Operating current at 40°C ambient temperature, max. | 1.5 mm ² - T6 10 A, 1.5 mm ² - T5 16 A, 2.5 mm ² - T6 16 A |
| Operating current at 55°C ambient temperature, max. | 1.5 mm ² - T4 16 A, 1.5 mm ² - T5 10 A, 2.5 mm ² - T5 16 A | Actuators | Pushbutton, EMERGENCY STOP pushbutton |
| Actuator colour | green, red | Drill holes side B | 2 x M20 |
| Lid attachment | M5 hexagonal screw with slot and 10mm distance across flats | Seal material of operating and display elements | EPDM |
| Enclosure seal material | Silicone (VMQ) | Torque for lid screws | 2.5 Nm |
| Earth stud torque | 7.5 Nm | External earth | M6 earthing studs, stainless steel |
| Internal earth | M6 x 10 earthing studs integrated in the lid, stainless steel | Marking | II 2 G Ex d e IIC T ⁺ Gb, II 2 D Ex tb IIIC T ⁺ °C Db |
| Cable gland clamping area, max. | 12 mm | Cable gland clamping area, min. | 3 mm |
| Wire connection cross section, finely stranded, max. | 2.5 mm ² | Type of mounting | Wall mounting |
| Surface finish | Mirror polished | Impact resistance | 7 joules in acc. with IEC60079-0 |
| Temperature class | T4, T5, T6 | Material | Stainless steel 1.4404 (316L) |

Housing

| | | | |
|--------------------|---------|----------|-------------------------------|
| Drill holes side B | 2 x M20 | Material | Stainless steel 1.4404 (316L) |
|--------------------|---------|----------|-------------------------------|

Classifications

| | | | |
|------------|-------------|------------|-------------|
| ETIM 6.0 | EC002503 | eClass 6.2 | 27-37-12-90 |
| eClass 7.1 | 27-37-12-90 | eClass 8.1 | 27-37-12-90 |
| eClass 9.0 | 27-18-05-02 | eClass 9.1 | 27-18-05-90 |

Creation date May 27, 2019 5:15:42 PM CEST

Data sheet**Klippon Control Station (control and signalling device)
KLIPPON CS STB 2.1-7**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Technical data**Approvals**

Approvals

**Downloads**

| | |
|--------------------|---|
| Brochure/Catalogue | CAT 5 ENCL 17/18 EN PI KLIPPON CS EN |
| Engineering Data | EPLAN_WSCAD |
| Engineering Data | STEP |

Klippon STB (Small Terminal Box) KLIPPON STB 2.1 SS

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Product image



Ideally suited for the energy, process and transportation industries, the Klippon® STB enclosure series is the perfect complement to our existing Klippon enclosure portfolio. Enclosures in this series are approved according to international standards such as e.g. EN62208 and EN60079-0/7 (ATEX).

- Mirror-polished or electropolished stainless steel 1.4404 (316L), 1.5 mm
- High-temperature-resistant seal as standard - extended temperature range of -60°C to +100°C (+120°C on request)
- Approved according to ATEX, IECEx, cULus, Lloyds Register, Germanischer Lloyd, GOST and INMETRO
- Flexible options for fastening the internal mounting rail
- IP66 protection
- Secure, permanent function of the seal is ensured by seal compression protection
- Earthing stud in the cover and base of the enclosure
- Laser cut weld seams for increased quality
- Already welded-on mounting feet guarantee optimum enclosure installation

Weidmüller can manufacture and supply this enclosure - according to customer specifications - fitted with all necessary terminals and cable glands.

General ordering data

| | |
|------------|---|
| Type | KLIPPON STB 2.1 SS |
| Order No. | 1002730000 |
| Version | Klippon STB (Small Terminal Box), Empty enclosure, stainless steel enclosure, Height: 190 mm, Width: 150 mm, Depth: 90 mm, Material: Stainless steel 1.4404 (316L), Mirror polished, silver |
| GTIN (EAN) | 4032248695669 |
| Qty. | 1 pc(s). |

Klippon STB (Small Terminal Box)
KLIPPON STB 2.1 SS

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Technical data
Dimensions and weights

| | | | |
|----------------------------|---------|-----------------|------------|
| Width | 150 mm | Width (inches) | 5.905 inch |
| Height | 190 mm | Height (inches) | 7.48 inch |
| Depth | 90 mm | Depth (inches) | 3.543 inch |
| Mounting dimension - width | 175 mm | Weight | 2.08 kg |
| Net weight | 2,006 g | | |

Cable glands, left

| | | | |
|-----|----|-----|----|
| M12 | 15 | M16 | 10 |
| M20 | 8 | M25 | 3 |
| M32 | 3 | M40 | 2 |
| M50 | 1 | | |

Cable glands, right

| | | | |
|-----|----|-----|----|
| M12 | 18 | M16 | 10 |
| M20 | 10 | M25 | 3 |
| M32 | 3 | M40 | 2 |
| M50 | 1 | | |

Cable glands, top/bottom

| | | | |
|-----|----|-----|----|
| M12 | 15 | M16 | 10 |
| M20 | 8 | M25 | 3 |
| M32 | 3 | M40 | 2 |
| M50 | 1 | | |

Certificate numbers enclosure

| | | | |
|---|----------------------|--|----------------------|
| Certificate no. assembled enclosure (ATEX) | IBExU07ATEX1148 | Certificate no. empty enclosure (ATEX) | IBExU 07ATEX1147U |
| Certificate no. assembled enclosure (IECEX) | IECEX IBE 09.0019 | Certificate no. empty enclosure (IECEX) | IECEX IBE 09.0018U |
| Certificate no., assembled enclosure (EAC) | RU C-DE.ГБ08.B.01328 | Certificate no., empty enclosure (EAC) | RU C-DE.ГБ08.B.00472 |
| Certificate no. assembled enclosure (INMETRO) | IEx 13.0003 | Certificate no. empty enclosure (INMETRO) | IEx 13.0002U |
| Certificate no. assembled enclosure (AEx) | E223792 | Certificate no., assembled enclosure (KOSHA) | 16-AV4BO-0247X |
| Certificate No. (GERMLLOYD) | 59358-08 | Certificate No. (MARITREG) | 15.40041.250 |
| Certificate no. (cULus) | E256877 | | |

**Klippon STB (Small Terminal Box)
KLIPPON STB 2.1 SS**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Technical data

General information

| | | | |
|---------------------------------|---|-----------------------------|---|
| Areas of use | Explosive risk zone, Packaging industry, Transportation, Process industry, Marine engineering | Material thickness | 1.5 mm |
| Material thickness of enclosure | 1.5 mm | Material | Stainless steel 1.4404 (316L) |
| Seal material | Silicone | Surface finish | Mirror polished |
| Operating temperature, min. | -60 °C | Operating temperature, max. | 100 °C |
| Impact resistance | 10 J version standard, 7 J ATEX version | Protection degree | IP66 |
| Enclosure attachment | Welded-on mounting foot with 8-mm holes | Lid attachment | M5 hexagonal screw with slot and 10mm distance across flats |
| Integral fixing | TAS 20 rail welded to floor | | |

vertical assembly

| | | | |
|-----------------------------|------|-----------------|------|
| WDU 10 / ZDU 10 | 1x15 | WDU 16 / ZDU 16 | 1x13 |
| WDU 2,5 / ZDU 2,5 / IDU 2,5 | 1x30 | WDU 4 / ZDU 4 | 1x25 |
| WDU 6 / ZDU 6 | 1x20 | | |

Classifications

| | | | |
|------------|-------------|------------|-------------|
| ETIM 4.0 | EC002600 | ETIM 5.0 | EC002600 |
| ETIM 6.0 | EC002503 | eClass 6.2 | 27-14-91-07 |
| eClass 7.1 | 27-14-91-07 | eClass 8.1 | 27-14-91-07 |
| eClass 9.0 | 27-18-05-02 | eClass 9.1 | 27-18-05-02 |

Product information

Product information the ambient temperature for the assembly will be reduced to +60°C and the surface temperature to +100°C.

Approvals

Approvals



ROHS Conform

**Klippon STB (Small Terminal Box)
KLIPPON STB 2.1 SS**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Technical data**Downloads**

| | |
|---|--|
| Approval/Certificate/Document of Conformity | Attestation of Conformity - Klippon STB Empty Enclosures - AoC DE PS2620 160308 001ISS01 EU Declaration of Conformity - Klippon STB Empty Enclosures Ex - DoC DE PS2620 160412 001ISS01 |
| Brochure/Catalogue | MB OVERV. PROCESS WD DE MB KLIPPON ENCL.TECN EN MB PROCESS EN CAT 5 ENCL 17/18 EN FL KLIPPON STB EN FL SHIPBUILDING 2016 EN |
| Engineering Data | EPLAN, WSCAD |
| Engineering Data | STEP |
| Tender specification | Klippon STB 2.1 SS_1002730000_DE Klippon STB 2.1 SS_1002730000_EN |
| User Documentation | MB KLIPPON ENCL.TECN DE Assembly guidelines - empty enclosures |

**Klippon STB (Small Terminal Box)
KLIPPON STB 2.1 SS**

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Drawings

Dimensioned drawing

