

## Klippon® STB – Stainless Steel Enclosures

# NEW



For many decades the name Klippon® has been synonymous for competence and quality in our proven supply of enclosures and customer solutions for standard industrial and hazardous environment applications. This philosophy continues with our Klippon® STB range of stainless steel enclosures.

Ideally suited to the transportation, energy and process industries; the Klippon® STB is a natural compliment to our existing Klippon® enclosures product portfolio.

The enclosures are approved to international standards e.g. EN 62208 and EN 60079-0/7 (ATEX)

Some of the many advantages of these enclosures are:

- High temperature silicone gasket fitted as standard (improved temperature range –50 °C to +120 °C)
- Flexible internal terminal rail mounting options
- Gasket compression control ensuring gasket lifetime performance is not compromised
- Earth stud fitted to body and lid
- Laser welding for quality finish and results
- Mounting lugs pre-fitted and ensure secure product mounting



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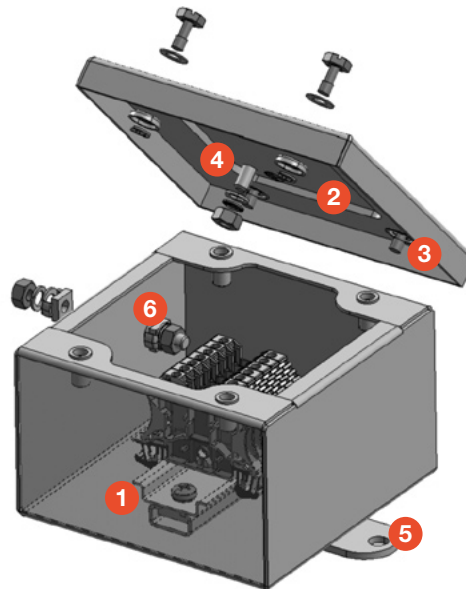
# Improved product features – to meet your demands

## 1 Flexible internal mounting options

C-Profile (TAS 20) rail fitted as standard with M5 sliding fixing nuts included to ensure stability of rail assembly and to help provide the maximum possible internal working area.

## 2 High temperature gasket

A high temperature silicone gasket offers enhanced product performance in extreme temperature conditions (–50 °C to +120 °C).



## 3 Gasket compression control

Guarantees Ingress Protection (IP) performance and ensures that the gasket is not compromised during use.

## 5 Mounting lugs

Mounting lugs are pre-fitted as standard and are designed to be secure in operation (vibration and shock tested).

## 7 Laser welding for quality results

Provides consistent IP protection and maintains a quality finish.

## 4 Earth stud fitted inside lid

Provides earthing of hazardous potential of the removable lid as required by the latest industrial and ATEX standards.

## 6 Internal/External Earth Stud

No ingress path and eliminates any potential for IP failure in the field through the earth stud.

## 8 International approvals

Approved for use within hazardous areas (including Ex e - increased safety) applications.

## Klippon® STB 1

Steel Enclosures for use in Industrial and Hazardous Area Applications



### Dimensions

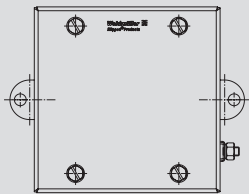
|                        |    |                |
|------------------------|----|----------------|
| Height x Width x Depth | mm | 120 x 120 x 80 |
| Weight                 | kg | 1.34           |

### Technical Data

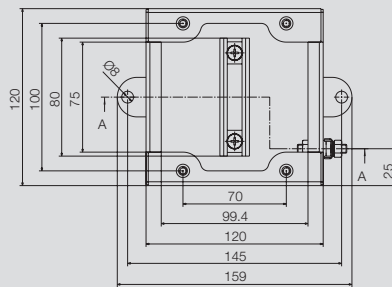
|                                                                            |                                           |                                                      |
|----------------------------------------------------------------------------|-------------------------------------------|------------------------------------------------------|
| <b>Enclosure Material:</b>                                                 | Stainless Steel 1.4404(316L) 1.50mm       | <b>Approvals for Empty Enclosure:</b>                |
| <b>Ingress Protection:</b>                                                 | IP66                                      | ATEX Certification: IBExU 07ATEX1147 U               |
| <b>Earthing:</b>                                                           | Body-Internal/External M6 Stainless Steel | ATEX Marking: Ⓜ II 2 G Ex e II                       |
|                                                                            | Lid - M6 x 12 Stainless Steel             | Ⓜ II 2 D Ex tD A21 IP66                              |
| <b>Internal Mounting:</b>                                                  | via C-Profile welded                      | cULus: E 197061                                      |
| <b>External Mounting:</b>                                                  | 2 External lugs with 8 mm holes           | Lloyds Register: 08/20032                            |
| <b>Lid Opening:</b>                                                        | Fully detachable lid with 4 x M5 Bolts    | Germanischer Lloyd: 5935808 HH                       |
| <b>Impact Resistance:</b>                                                  | 7J ATEX                                   | Gost: POCC DE.ME25.B01450                            |
|                                                                            | 10J industry standard                     | <b>Approvals for Control and Distribution Box:</b>   |
| <b>Gasket Material:</b>                                                    | Silicone -50 °C to +120 °C                | ATEX Certification: IBExU 07ATEX1148                 |
| Gasket compression control in accordance with manufacturers recommendation |                                           | ATEX Marking: Ⓜ II 2 GD Ex e II Tx Ex tD A21 IP6x Tx |
|                                                                            |                                           | Ⓜ II 1 GD Ex ia IIC Tx Ex tD A20 IP6x Tx             |
|                                                                            |                                           | Ⓜ II 2(1) GD Ex eIIa IIC Tx Ex tD A21 IP6x Tx        |

### Elevations

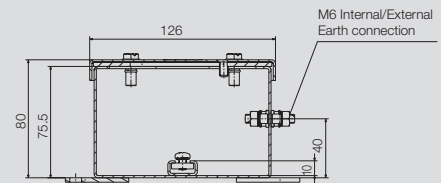
Front View



Front View – Lid Removed



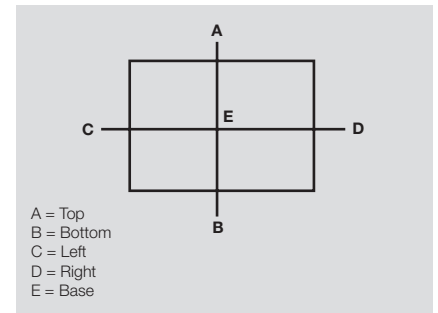
Side View



### Ordering Data Enclosures

| Description        | Finish          | Part Number |
|--------------------|-----------------|-------------|
| KLIPPON STB 1 SS   | Polished Sheet  | 1002690000  |
| KLIPPON STB 1 SS E | Electropolished | 1058810000  |

| Number of Cable Entries                          |     | A/B | C  | D |
|--------------------------------------------------|-----|-----|----|---|
| Max number of cable entries per enclosure side** |     |     |    |   |
|                                                  | M12 | 10  | 10 | 8 |
|                                                  | M16 | 6   | 6  | 4 |
|                                                  | M20 | 6   | 6  | 4 |
|                                                  | M25 | 3   | 3  | 2 |
|                                                  | M32 | 2   | 2  | 1 |
|                                                  | M40 | 2   | 2  | 1 |
|                                                  | M50 | -   | -  | - |
|                                                  | M63 | -   | -  | - |



| Max Number of Terminals (Industrial) |         |         | W series V | Vertical Z series H | SAK series V | W series V | Horizontal Z series H | SAK series V |
|--------------------------------------|---------|---------|------------|---------------------|--------------|------------|-----------------------|--------------|
| WDU 2.5                              | ZDU 2.5 | SAK 2.5 | 17         | 17                  | 14           |            |                       |              |
| WDU 4                                | ZDU 4   | SAK 4   | 14         | 14                  | 13           |            |                       |              |
| WDU 6                                | ZDU 6   | SAK 6   | 11         | 11                  | 11           |            |                       |              |
| WDU 10                               | ZDU 10  | SAK 10  | 8          | 8                   | 8            |            |                       |              |
| WDU 16N                              | ZDU 16  | SAK 16  | 7          | 7                   | 7            |            |                       |              |

### Ordering Data Accessories

| Sliding Fixing Nuts | Part Number |
|---------------------|-------------|
| SFNS5 VKMU M5 SW16  | 0433500000  |

**Notes:** Each enclosure is supplied with a set of sliding nuts + washer+ screws M5, to fix the mounting rail TS 35 or 32 onto the C-Profile

**Comments** \*\* Cable entries based on Weidmüller's standard IP68 cable glands  
– For specific hazardous area requirements please contact Weidmüller for a copy of the full certificate

## Klippon® STB 1.1

Steel Enclosures for use in Industrial and Hazardous Area Applications



### Dimensions

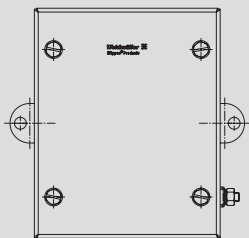
|                        |    |                |
|------------------------|----|----------------|
| Height x Width x Depth | mm | 150 x 120 x 80 |
| Weight                 | kg | 1.38           |

### Technical Data

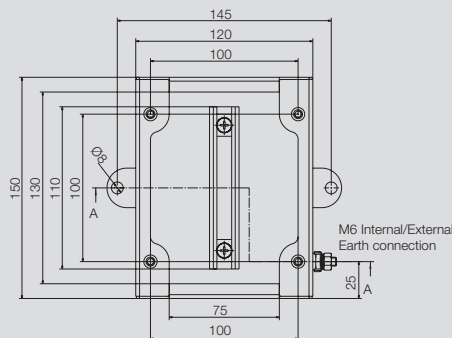
|                                                                                   |                                           |                                                      |
|-----------------------------------------------------------------------------------|-------------------------------------------|------------------------------------------------------|
| <b>Enclosure Material:</b>                                                        | Stainless Steel 1.4404(316L) 1.50mm       | <b>Approvals for Empty Enclosure:</b>                |
| <b>Ingress Protection:</b>                                                        | IP66                                      | ATEX Certification: IBExU 07ATEX1147 U               |
| <b>Earthing:</b>                                                                  | Body-Internal/External M6 Stainless Steel | ATEX Marking: Ⓔ II 2 G Ex e II                       |
|                                                                                   | Lid - M6 x 12 Stainless Steel             | Ⓔ II 2 D Ex tD A21 IP66                              |
| <b>Internal Mounting:</b>                                                         | via C-Profile welded                      | cULus: E 197061                                      |
| <b>External Mounting:</b>                                                         | 2 External lugs with 8 mm holes           | Lloyds Register: 08/20032                            |
| <b>Lid Opening:</b>                                                               | Fully detachable lid with 4 x M5 Bolts    | Germanischer Lloyd: 5935808 HH                       |
| <b>Impact Resistance:</b>                                                         | 7J ATEX                                   | Gost: POCC DE.ME25.B01450                            |
|                                                                                   | 10J industry standard                     | <b>Approvals for Control and Distribution Box:</b>   |
| <b>Gasket Material:</b>                                                           | Silicone -50 °C to +120 °C                | ATEX Certification: IBExU 07ATEX1148                 |
| <i>Gasket compression control in accordance with manufacturers recommendation</i> |                                           | ATEX Marking: Ⓔ II 2 GD Ex e II Tx Ex tD A21 IP6x Tx |
|                                                                                   |                                           | Ⓔ II 1 GD Ex ia IIC Tx Ex tD A20 IP6x Tx             |
|                                                                                   |                                           | Ⓔ II 2(1) GD Ex e[ia] IIC Tx Ex tD A21 IP6x Tx       |

### Elevations

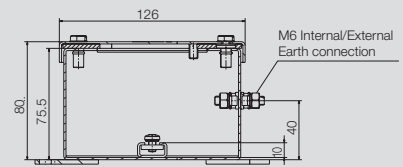
Front View



Front View – Lid Removed



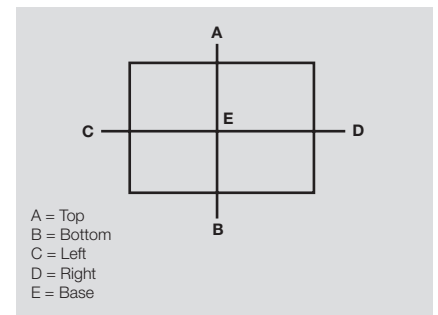
Side View



### Ordering Data Enclosures

| Description          | Finish          | Part Number |
|----------------------|-----------------|-------------|
| KLIPPON STB 1.1 S    | Polished Sheet  | 1002750000  |
| KLIPPON STB 1.1 SS E | Electropolished | 1058820000  |

| Number of Cable Entries                          |     | A/B | C  | D  |
|--------------------------------------------------|-----|-----|----|----|
| Max number of cable entries per enclosure side** |     |     |    |    |
|                                                  | M12 | 10  | 12 | 10 |
|                                                  | M16 | 6   | 8  | 6  |
|                                                  | M20 | 3   | 4  | 3  |
|                                                  | M25 | 3   | 3  | 2  |
|                                                  | M32 | 2   | 3  | 2  |
|                                                  | M40 | 2   | 2  | 1  |
|                                                  | M50 | -   | -  | -  |
|                                                  | M63 | -   | -  | -  |



| Max Number of Terminals (Industrial) |         |         | W series V | Vertical Z series H | SAK series V | W series V | Horizontal Z series H | SAK series V |
|--------------------------------------|---------|---------|------------|---------------------|--------------|------------|-----------------------|--------------|
| WDU 2.5                              | ZDU 2.5 | SAK 2.5 | 23         | 23                  | 19           |            |                       |              |
| WDU 4                                | ZDU 4   | SAK 4   | 19         | 19                  | 18           |            |                       |              |
| WDU 6                                | ZDU 6   | SAK 6   | 14         | 14                  | 14           |            |                       |              |
| WDU 10                               | ZDU 10  | SAK 10  | 11         | 11                  | 11           |            |                       |              |
| WDU 16N                              | ZDU 16  | SAK 16  | 9          | 9                   | 9            |            |                       |              |

### Ordering Data Accessories

| Sliding Fixing Nuts | Part Number |
|---------------------|-------------|
| SFNS5 VKMU M5 SW16  | 0433500000  |

**Notes:** Each enclosure is supplied with a set of sliding nuts + washer+ screws M5, to fix the mounting rail TS 35 or 32 onto the C-Profile

**Comments** \*\* Cable entries based on Weidmüller's standard IP68 cable glands  
– For specific hazardous area requirements please contact Weidmüller for a copy of the full certificate

## Klippon® STB 2

Steel Enclosures for use in Industrial and Hazardous Area Applications



### Dimensions

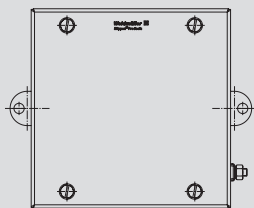
|                        |    |                |
|------------------------|----|----------------|
| Height x Width x Depth | mm | 150 x 150 x 90 |
| Weight                 | kg | 1.63           |

### Technical Data

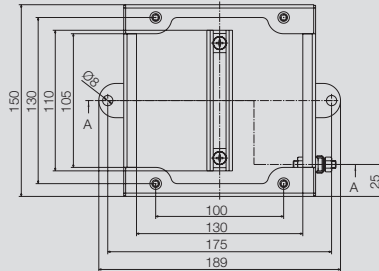
|                                                                            |                                           |                                                      |
|----------------------------------------------------------------------------|-------------------------------------------|------------------------------------------------------|
| <b>Enclosure Material:</b>                                                 | Stainless Steel 1.4404(316L) 1.50mm       | <b>Approvals for Empty Enclosure:</b>                |
| <b>Ingress Protection:</b>                                                 | IP66                                      | ATEX Certification: IBExU 07ATEX1147 U               |
| <b>Earthing:</b>                                                           | Body-Internal/External M6 Stainless Steel | ATEX Marking: Ⓜ II 2 G Ex e II                       |
|                                                                            | Lid - M6 x 12 Stainless Steel             | Ⓜ II 2 D Ex tD A21 IP66                              |
| <b>Internal Mounting:</b>                                                  | via C-Profile welded                      | cULus: E 256877                                      |
| <b>External Mounting:</b>                                                  | 2 External lugs with 8 mm holes           | Lloyds Register: 08/20032                            |
| <b>Lid Opening:</b>                                                        | Fully detachable lid with 4 x M5 Bolts    | Germanischer Lloyd: 5935808 HH                       |
| <b>Impact Resistance:</b>                                                  | 7J ATEX                                   | Gost: POCC DE.ME25.B01450                            |
|                                                                            | 10J industry standard                     | <b>Approvals for Control and Distribution Box:</b>   |
| <b>Gasket Material:</b>                                                    | Silicone -50 °C to +120 °C                | ATEX Certification: IBExU 07ATEX1148                 |
| Gasket compression control in accordance with manufacturers recommendation |                                           | ATEX Marking: Ⓜ II 2 GD Ex e II Tx Ex tD A21 IP6x Tx |
|                                                                            |                                           | Ⓜ II 1 GD Ex ia IIC Tx Ex tD A20 IP6x Tx             |
|                                                                            |                                           | Ⓜ II 2(1) GD Ex e[ia] IIC Tx Ex tD A21 IP6x Tx       |

### Elevations

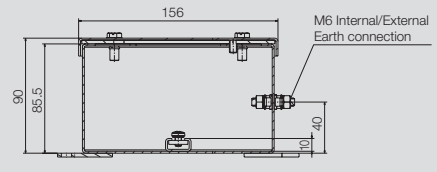
Front View



Front View – Lid Removed



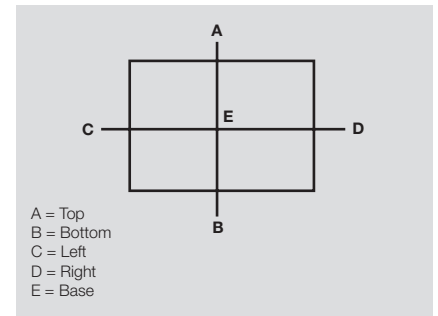
Side View



### Ordering Data Enclosures

| Description        | Finish          | Part Number |
|--------------------|-----------------|-------------|
| KLIPPON STB 2 SS   | Polished Sheet  | 1002740000  |
| KLIPPON STB 2 SS E | Electropolished | 1058830000  |

| Number of Cable Entries                          |     | A/B | C  | D  |
|--------------------------------------------------|-----|-----|----|----|
| Max number of cable entries per enclosure side** | M12 | 15  | 15 | 15 |
|                                                  | M16 | 10  | 10 | 8  |
|                                                  | M20 | 8   | 8  | 6  |
|                                                  | M25 | 3   | 3  | 2  |
|                                                  | M32 | 3   | 3  | 2  |
|                                                  | M40 | 2   | 2  | 2  |
|                                                  | M50 | 1   | 1  | 1  |
|                                                  | M63 | -   | -  | -  |



| Max Number of Terminals (Industrial) |         |         | W series V | Vertical Z series H | SAK series V | W series V | Horizontal Z series H | SAK series V |
|--------------------------------------|---------|---------|------------|---------------------|--------------|------------|-----------------------|--------------|
| WDU 2.5                              | ZDU 2.5 | SAK 2.5 | 23         | 23                  | 19           |            |                       |              |
| WDU 4                                | ZDU 4   | SAK 4   | 19         | 19                  | 18           |            |                       |              |
| WDU 6                                | ZDU 6   | SAK 6   | 14         | 14                  | 14           |            |                       |              |
| WDU 10                               | ZDU 10  | SAK 10  | 11         | 11                  | 11           |            |                       |              |
| WDU 16N                              | ZDU 16  | SAK 16  | 9          | 9                   | 9            |            |                       |              |

### Ordering Data Accessories

| Sliding Fixing Nuts | Part Number |
|---------------------|-------------|
| SFNS5 VKMU M5 SW16  | 0433500000  |

**Notes:** Each enclosure is supplied with a set of sliding nuts + washer+ screws M5, to fix the mounting rail TS 35 or 32 onto the C-Profile

**Comments** \*\* Cable entries based on Weidmüller's standard IP68 cable glands  
– For specific hazardous area requirements please contact Weidmüller for a copy of the full certificate

## Klippon® STB 2.1

Steel Enclosures for use in Industrial and Hazardous Area Applications



### Dimensions

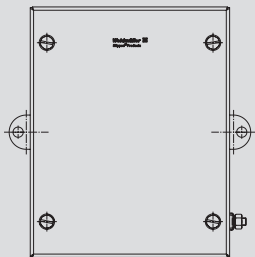
|                        |    |                       |
|------------------------|----|-----------------------|
| Height x Width x Depth | mm | <b>190 x 150 x 90</b> |
| Weight                 | kg | <b>2.08</b>           |

### Technical Data

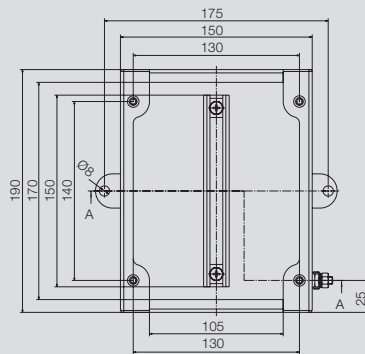
|                                                                                   |                                           |                                                      |
|-----------------------------------------------------------------------------------|-------------------------------------------|------------------------------------------------------|
| <b>Enclosure Material:</b>                                                        | Stainless Steel 1.4404(316L) 1.50mm       | <b>Approvals for Empty Enclosure:</b>                |
| <b>Ingress Protection:</b>                                                        | IP66                                      | ATEX Certification: IBExU 07ATEX1147 U               |
| <b>Earthing:</b>                                                                  | Body-Internal/External M6 Stainless Steel | ATEX Marking: Ⓜ II 2 G Ex e II                       |
|                                                                                   | Lid - M6 x 12 Stainless Steel             | Ⓜ II 2 D Ex tD A21 IP66                              |
| <b>Internal Mounting:</b>                                                         | via C-Profile welded                      | cULus: E 256877                                      |
| <b>External Mounting:</b>                                                         | 2 External lugs with 8 mm holes           | Lloyds Register: 08/20032                            |
| <b>Lid Opening:</b>                                                               | Fully detachable lid with 4 x M5 Bolts    | Germanischer Lloyd: 5935808 HH                       |
| <b>Impact Resistance:</b>                                                         | 7J ATEX                                   | Gost: POCC DE.ME25.B01450                            |
|                                                                                   | 10J industry standard                     | <b>Approvals for Control and Distribution Box:</b>   |
| <b>Gasket Material:</b>                                                           | Silicone -50 °C to +120 °C                | ATEX Certification: IBExU 07ATEX1148                 |
| <i>Gasket compression control in accordance with manufacturers recommendation</i> |                                           | ATEX Marking: Ⓜ II 2 GD Ex e II Tx Ex tD A21 IP6x Tx |
|                                                                                   |                                           | Ⓜ II 1 GD Ex ia IIC Tx Ex tD A20 IP6x Tx             |
|                                                                                   |                                           | Ⓜ II 2(1) GD Ex e[ia] IIC Tx Ex tD A21 IP6x Tx       |

### Elevations

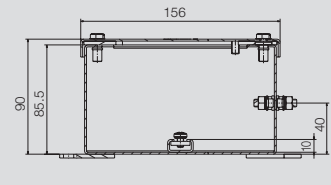
Front View



Front View – Lid Removed



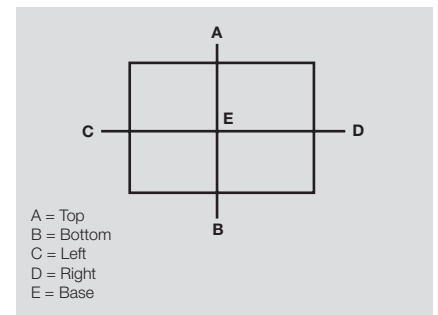
Side View



### Ordering Data Enclosures

| Description          | Finish          | Part Number       |
|----------------------|-----------------|-------------------|
| KLIPPON STB 2.1 SS   | Polished Sheet  | <b>1002730000</b> |
| KLIPPON STB 2.1 SS E | Electropolished | <b>1058840000</b> |

| Number of Cable Entries                          |     | A/B | C  | D  |
|--------------------------------------------------|-----|-----|----|----|
| Max number of cable entries per enclosure side** | M12 | 15  | 21 | 18 |
|                                                  | M16 | 10  | 12 | 10 |
|                                                  | M20 | 8   | 10 | 10 |
|                                                  | M25 | 3   | 4  | 3  |
|                                                  | M32 | 3   | 3  | 3  |
|                                                  | M40 | 2   | 2  | 2  |
|                                                  | M50 | 1   | 1  | 1  |
|                                                  | M63 | -   | -  | -  |



| Max Number of Terminals (Industrial) |         |         | W series V | Vertical Z series H | SAK series V | W series V | Horizontal Z series H | SAK series V |
|--------------------------------------|---------|---------|------------|---------------------|--------------|------------|-----------------------|--------------|
| WDU 2.5                              | ZDU 2.5 | SAK 2.5 | 30         | 30                  | 25           |            |                       |              |
| WDU 4                                | ZDU 4   | SAK 4   | 25         | 25                  | 24           |            |                       |              |
| WDU 6                                | ZDU 6   | SAK 6   | 20         | 20                  | 19           |            |                       |              |
| WDU 10                               | ZDU 10  | SAK 10  | 15         | 15                  | 15           |            |                       |              |
| WDU 16N                              | ZDU 16  | SAK 16  | 13         | 13                  | 13           |            |                       |              |

### Ordering Data Accessories

| Sliding Fixing Nuts | Part Number       |
|---------------------|-------------------|
| SFNS5 VKMU M5 SW16  | <b>0433500000</b> |

**Notes:** Each enclosure is supplied with a set of sliding nuts + washer+ screws M5, to fix the mounting rail TS 35 or 32 onto the C-Profile

**Comments** \*\* Cable entries based on Weidmüller's standard IP68 cable glands  
– For specific hazardous area requirements please contact Weidmüller for a copy of the full certificate

## Klippon® STB 3

Steel Enclosures for use in Industrial and Hazardous Area Applications



### Dimensions

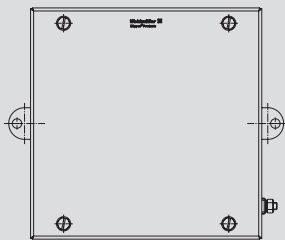
|                        |    |                 |
|------------------------|----|-----------------|
| Height x Width x Depth | mm | 190 x 190 x 100 |
| Weight                 | kg | 2.59            |

### Technical Data

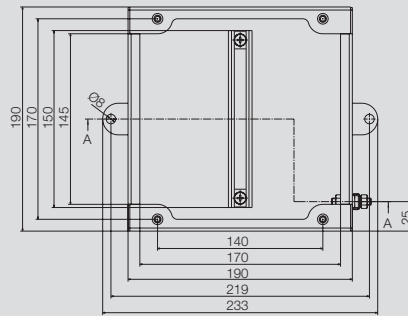
|                                                                            |                                           |                                                      |
|----------------------------------------------------------------------------|-------------------------------------------|------------------------------------------------------|
| <b>Enclosure Material:</b>                                                 | Stainless Steel 1.4404(316L) 1.50mm       | <b>Approvals for Empty Enclosure:</b>                |
| <b>Ingress Protection:</b>                                                 | IP66                                      | ATEX Certification: IBExU 07ATEX1147 U               |
| <b>Earthing:</b>                                                           | Body-Internal/External M6 Stainless Steel | ATEX Marking: Ⓜ II 2 G Ex e II                       |
|                                                                            | Lid - M6 x 12 Stainless Steel             | Ⓜ II 2 D Ex tD A21 IP66                              |
| <b>Internal Mounting:</b>                                                  | via C-Profile welded                      | cULus: E 256877                                      |
| <b>External Mounting:</b>                                                  | 2 External lugs with 8 mm holes           | Lloyds Register: 08/20032                            |
| <b>Lid Opening:</b>                                                        | Fully detachable lid with 4 x M5 Bolts    | Germanischer Lloyd: 5935808 HH                       |
| <b>Impact Resistance:</b>                                                  | 7J ATEX                                   | Gost: POCC DE.ME25.B01450                            |
|                                                                            | 10J industry standard                     | <b>Approvals for Control and Distribution Box:</b>   |
| <b>Gasket Material:</b>                                                    | Silicone -50 °C to +120 °C                | ATEX Certification: IBExU 07ATEX1148                 |
| Gasket compression control in accordance with manufacturers recommendation |                                           | ATEX Marking: Ⓜ II 2 GD Ex e II Tx Ex tD A21 IP6x Tx |
|                                                                            |                                           | Ⓜ II 1 GD Ex ia IIC Tx Ex tD A20 IP6x Tx             |
|                                                                            |                                           | Ⓜ II 2(1) GD Ex e[ia] IIC Tx Ex tD A21 IP6x Tx       |

### Elevations

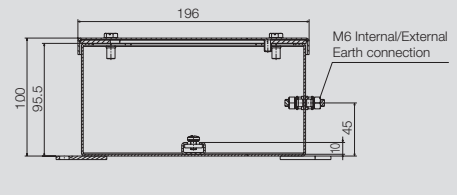
Front View



Front View – Lid Removed



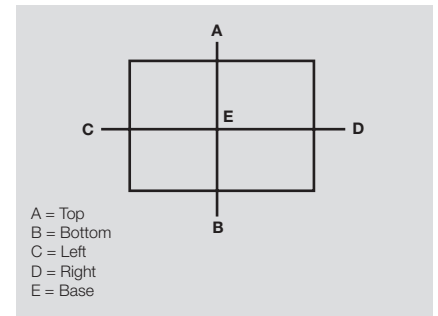
Side View



### Ordering Data Enclosures

| Description        | Finish          | Part Number |
|--------------------|-----------------|-------------|
| KLIPPON STB 3 SS   | Polished Sheet  | 1002720000  |
| KLIPPON STB 3 SS E | Electropolished | 1058850000  |

| Number of Cable Entries                          |     | A/B | C  | D  |
|--------------------------------------------------|-----|-----|----|----|
| Max number of cable entries per enclosure side** | M12 | 21  | 21 | 21 |
|                                                  | M16 | 15  | 15 | 15 |
|                                                  | M20 | 10  | 10 | 8  |
|                                                  | M25 | 8   | 8  | 6  |
|                                                  | M32 | 3   | 3  | 3  |
|                                                  | M40 | 3   | 3  | 2  |
|                                                  | M50 | 2   | 2  | 1  |
|                                                  | M63 | 1   | 1  | -  |



| Max Number of Terminals (Industrial) |         |         | W series V | Vertical Z series H | SAK series V | W series V | Horizontal Z series H | SAK series V |
|--------------------------------------|---------|---------|------------|---------------------|--------------|------------|-----------------------|--------------|
| WDU 2.5                              | ZDU 2.5 | SAK 2.5 | 30         | 30                  | 25           |            |                       |              |
| WDU 4                                | ZDU 4   | SAK 4   | 25         | 25                  | 24           |            |                       |              |
| WDU 6                                | ZDU 6   | SAK 6   | 20         | 20                  | 19           |            |                       |              |
| WDU 10                               | ZDU 10  | SAK 10  | 15         | 15                  | 15           |            |                       |              |
| WDU 16N                              | ZDU 16  | SAK 16  | 13         | 13                  | 13           |            |                       |              |

### Ordering Data Accessories

| Sliding Fixing Nuts | Part Number |
|---------------------|-------------|
| SFNS5 VKMU M5 SW16  | 0433500000  |

**Notes:** Each enclosure is supplied with a set of sliding nuts + washer+ screws M5, to fix the mounting rail TS 35 or 32 onto the C-Profile

**Comments** \*\* Cable entries based on Weidmüller's standard IP68 cable glands  
– For specific hazardous area requirements please contact Weidmüller for a copy of the full certificate

## Klippon® STB 4

Steel Enclosures for use in Industrial and Hazardous Area Applications



### Dimensions

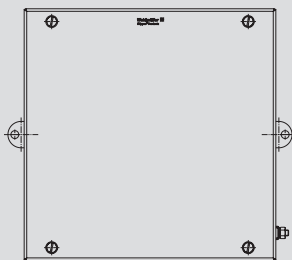
|                        |    |                 |
|------------------------|----|-----------------|
| Height x Width x Depth | mm | 250 x 250 x 120 |
| Weight                 | kg | 4.45            |

### Technical Data

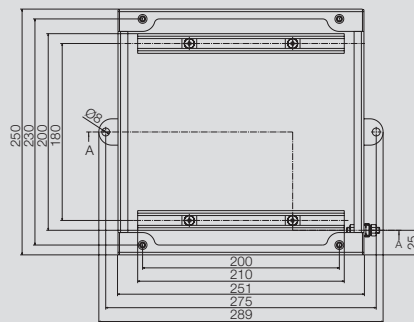
|                                                                            |                                           |                                                      |
|----------------------------------------------------------------------------|-------------------------------------------|------------------------------------------------------|
| <b>Enclosure Material:</b>                                                 | Stainless Steel 1.4404(316L) 1.50mm       | <b>Approvals for Empty Enclosure:</b>                |
| <b>Ingress Protection:</b>                                                 | IP66                                      | ATEX Certification: IBExU 07ATEX1147 U               |
| <b>Earthing:</b>                                                           | Body-Internal/External M6 Stainless Steel | ATEX Marking: Ⓜ II 2 G Ex e II                       |
|                                                                            | Lid - M6 x 12 Stainless Steel             | Ⓜ II 2 D Ex tD A21 IP66                              |
| <b>Internal Mounting:</b>                                                  | via C-Profile welded                      | cULus: E 256877                                      |
| <b>External Mounting:</b>                                                  | 2 External lugs with 8 mm holes           | Lloyds Register: 08/20032                            |
| <b>Lid Opening:</b>                                                        | Fully detachable lid with 4 x M5 Bolts    | Germanischer Lloyd: 5935808 HH                       |
| <b>Impact Resistance:</b>                                                  | 7J ATEX                                   | Gost: POCC DE.ME25.B01450                            |
|                                                                            | 10J industry standard                     | <b>Approvals for Control and Distribution Box:</b>   |
| <b>Gasket Material:</b>                                                    | Silicone -50 °C to +120 °C                | ATEX Certification: IBExU 07ATEX1148                 |
| Gasket compression control in accordance with manufacturers recommendation |                                           | ATEX Marking: Ⓜ II 2 GD Ex e II Tx Ex tD A21 IP6x Tx |
|                                                                            |                                           | Ⓜ II 1 GD Ex ia IIC Tx Ex tD A20 IP6x Tx             |
|                                                                            |                                           | Ⓜ II 2(1) GD Ex e[ia] IIC Tx Ex tD A21 IP6x Tx       |

### Elevations

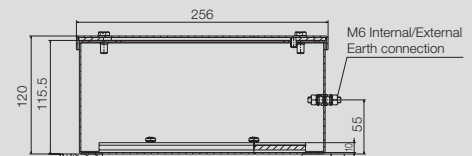
Front View



Front View – Lid Removed



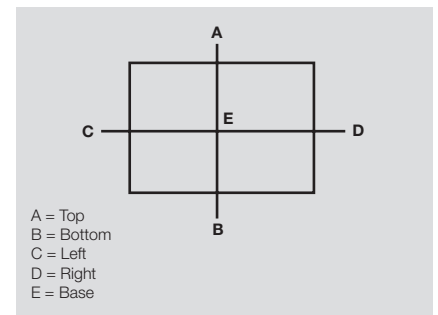
Side View



### Ordering Data Enclosures

| Description        | Finish          | Part Number |
|--------------------|-----------------|-------------|
| KLIPPON STB 4 SS   | Polished Sheet  | 1002710000  |
| KLIPPON STB 4 SS E | Electropolished | 1058860000  |

| Number of Cable Entries                          |     | A/B | C  | D  |
|--------------------------------------------------|-----|-----|----|----|
| Max number of cable entries per enclosure side** | M12 | 32  | 32 | 32 |
|                                                  | M16 | 21  | 21 | 21 |
|                                                  | M20 | 12  | 12 | 12 |
|                                                  | M25 | 10  | 10 | 10 |
|                                                  | M32 | 8   | 8  | 8  |
|                                                  | M40 | 3   | 3  | 3  |
|                                                  | M50 | 2   | 3  | 2  |
|                                                  | M63 | 2   | 2  | 2  |



| Max Number of Terminals (Industrial) |         |         | W series V | Vertical Z series H | SAK series V | W series V | Horizontal Z series H | SAK series V |
|--------------------------------------|---------|---------|------------|---------------------|--------------|------------|-----------------------|--------------|
| WDU 2.5                              | ZDU 2.5 | SAK 2.5 | 2 x 42     | 2 x 42              | 2 x 35       | 2 x 42     | 2 x 42                | 2 x 35       |
| WDU 4                                | ZDU 4   | SAK 4   | 2 x 35     | 2 x 35              | 2 x 33       | 2 x 35     | 2 x 35                | 2 x 33       |
| WDU 6                                | ZDU 6   | SAK 6   | 2 x 27     | 2 x 27              | 2 x 27       | 2 x 27     | 2 x 27                | 2 x 27       |
| WDU 10                               | ZDU 10  | SAK 10  | 2 x 22     | 2 x 22              | 2 x 21       | 2 x 22     | 2 x 22                | 2 x 21       |
| WDU 16N                              | ZDU 16  | SAK 16  | 2 x 18     | 2 x 18              | 2 x 18       | 2 x 18     | 2 x 18                | 2 x 18       |

### Ordering Data Accessories

| Sliding Fixing Nuts | Part Number |
|---------------------|-------------|
| SFNS5 VKMU M5 SW16  | 0433500000  |

**Notes:** Each enclosure is supplied with a set of sliding nuts + washer+ screws M5, to fix the mounting rail TS 35 or 32 onto the C-Profile

**Comments** \*\* Cable entries based on Weidmüller's standard IP68 cable glands  
– For specific hazardous area requirements please contact Weidmüller for a copy of the full certificate

## Klippon® STB 5

Steel Enclosures for use in Industrial and Hazardous Area Applications



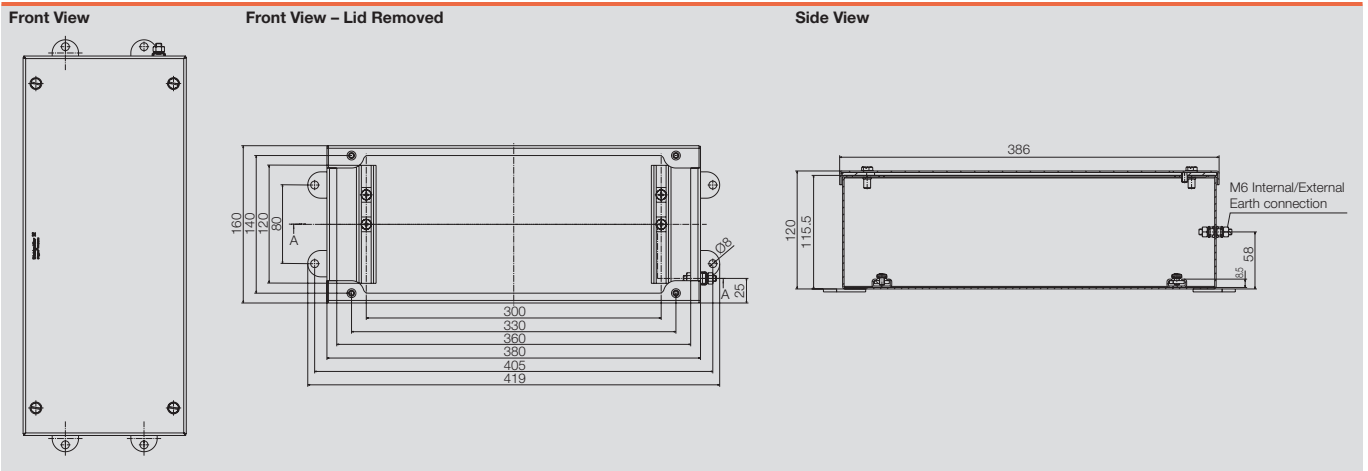
### Dimensions

|                        |    |                 |
|------------------------|----|-----------------|
| Height x Width x Depth | mm | 160 x 380 x 120 |
| Weight                 | kg | 4.82            |

### Technical Data

|                                                                            |                                           |                                                      |
|----------------------------------------------------------------------------|-------------------------------------------|------------------------------------------------------|
| <b>Enclosure Material:</b>                                                 | Stainless Steel 1.4404(316L) 1.50mm       | <b>Approvals for Empty Enclosure:</b>                |
| <b>Ingress Protection:</b>                                                 | IP66                                      | ATEX Certification: IBExU 07ATEX1147 U               |
| <b>Earthing:</b>                                                           | Body-Internal/External M6 Stainless Steel | ATEX Marking: Ⓜ II 2 G Ex e II                       |
|                                                                            | Lid - M6 x 12 Stainless Steel             | Ⓜ II 2 D Ex tD A21 IP66                              |
| <b>Internal Mounting:</b>                                                  | via C-Profile welded                      | cULus: E 256877                                      |
| <b>External Mounting:</b>                                                  | 4 External lugs with 8 mm holes           | Lloyds Register: 08/20032                            |
| <b>Lid Opening:</b>                                                        | Fully detachable lid with 4 x M5 Bolts    | Germanischer Lloyd: 5935808 HH                       |
| <b>Impact Resistance:</b>                                                  | 7J ATEX                                   | Gost: POCC DE.ME25.B01450                            |
|                                                                            | 10J industry standard                     | <b>Approvals for Control and Distribution Box:</b>   |
| <b>Gasket Material:</b>                                                    | Silicone -50 °C to +120 °C                | ATEX Certification: IBExU 07ATEX1148                 |
| Gasket compression control in accordance with manufacturers recommendation |                                           | ATEX Marking: Ⓜ II 2 GD Ex e II Tx Ex tD A21 IP6x Tx |
|                                                                            |                                           | Ⓜ II 1 GD Ex ia IIC Tx Ex tD A20 IP6x Tx             |
|                                                                            |                                           | Ⓜ II 2(1) GD Ex e[ia] IIC Tx Ex tD A21 IP6x Tx       |

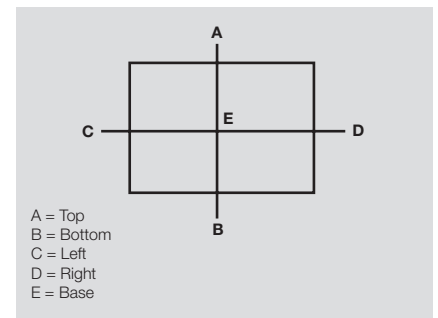
### Elevations



### Ordering Data Enclosures

| Description        | Finish          | Part Number |
|--------------------|-----------------|-------------|
| KLIPPON STB 5 SS   | Polished Sheet  | 1002700000  |
| KLIPPON STB 5 SS E | Electropolished | 1058880000  |

| Number of Cable Entries                          | A/B | C  | D  |
|--------------------------------------------------|-----|----|----|
| Max number of cable entries per enclosure side** |     |    |    |
| M12                                              | 64  | 20 | 20 |
| M16                                              | 33  | 15 | 12 |
| M20                                              | 30  | 12 | 12 |
| M25                                              | 16  | 6  | 6  |
| M32                                              | 10  | 4  | 4  |
| M40                                              | 6   | 2  | 2  |
| M50                                              | 4   | 2  | 1  |
| M63                                              | 2   | 1  | 1  |



| Max Number of Terminals (Industrial) |         |         | W series V | Vertical Z series H | SAK series V | W series V | Horizontal Z series H | SAK series V |
|--------------------------------------|---------|---------|------------|---------------------|--------------|------------|-----------------------|--------------|
| WDU 2.5                              | ZDU 2.5 | SAK 2.5 | 3 x 25     | 3 x 25              | 3 x 21       | 1 x 68     | 68                    | 57           |
| WDU 4                                | ZDU 4   | SAK 4   | 3 x 21     | 3 x 21              | 3 x 19       | 1 x 57     | 57                    | 53           |
| WDU 6                                | ZDU 6   | SAK 6   | 3 x 16     | 3 x 16              | 3 x 16       | 1 x 44     | 44                    | 43           |
| WDU 10                               | ZDU 10  | SAK 10  | 3 x 12     | 3 x 12              | 3 x 12       | 1 x 35     | 35                    | 34           |
| WDU 16N                              | ZDU 16  | SAK 16  | 3 x 10     | 3 x 10              | 3 x 10       | 1 x 29     | 29                    | 29           |

### Ordering Data Accessories

| Sliding Fixing Nuts | Part Number |
|---------------------|-------------|
| SFNS5 VKMU M5 SW16  | 0433500000  |

**Notes:** Each enclosure is supplied with a set of sliding nuts + washer+ screws M5, to fix the mounting rail TS 35 or 32 onto the C-Profile

**Comments** \*\* Cable entries based on Weidmüller's standard IP68 cable glands  
– For specific hazardous area requirements please contact Weidmüller for a copy of the full certificate

## Klippon® STB 6

Steel Enclosures for use in Industrial and Hazardous Area Applications



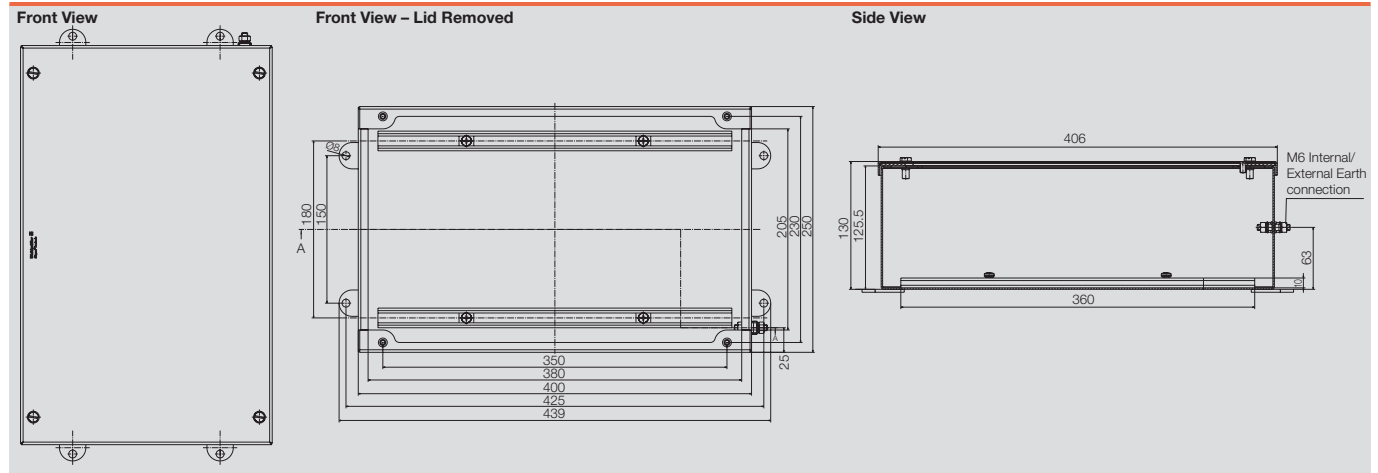
### Dimensions

|                        |    |                 |
|------------------------|----|-----------------|
| Height x Width x Depth | mm | 250 x 400 x 130 |
| Weight                 | kg | 6.90            |

### Technical Data

|                                                                            |                                           |                                                      |
|----------------------------------------------------------------------------|-------------------------------------------|------------------------------------------------------|
| <b>Enclosure Material:</b>                                                 | Stainless Steel 1.4404(316L) 1.50mm       | <b>Approvals for Empty Enclosure:</b>                |
| <b>Ingress Protection:</b>                                                 | IP66                                      | ATEX Certification: IBExU 07ATEX1147 U               |
| <b>Earthing:</b>                                                           | Body-Internal/External M6 Stainless Steel | ATEX Marking: Ⓔ II 2 G Ex e II                       |
|                                                                            | Lid - M6 x 12 Stainless Steel             | Ⓔ II 2 D Ex tD A21 IP66                              |
| <b>Internal Mounting:</b>                                                  | via C-Profile welded                      | cULus: E 256877                                      |
| <b>External Mounting:</b>                                                  | 4 External lugs with 8 mm holes           | Lloyds Register: 08/20032                            |
| <b>Lid Opening:</b>                                                        | Fully detachable lid with 4 x M5 Bolts    | Germanischer Lloyd:5935808 HH                        |
| <b>Impact Resistance:</b>                                                  | 7J ATEX                                   | Gost: POCC DE.ME25.B01450                            |
|                                                                            | 10J industry standard                     | <b>Approvals for Control and Distribution Box:</b>   |
| <b>Gasket Material:</b>                                                    | Silicone -50 °C to +120 °C                | ATEX Certification: IBExU 07ATEX1148                 |
| Gasket compression control in accordance with manufacturers recommendation |                                           | ATEX Marking: Ⓔ II 2 GD Ex e II Tx Ex tD A21 IP6x Tx |
|                                                                            |                                           | Ⓔ II 1 GD Ex ia IIC Tx Ex tD A20 IP6x Tx             |
|                                                                            |                                           | Ⓔ II 2(1) GD Ex e[ia] IIC Tx Ex tD A21 IP6x Tx       |

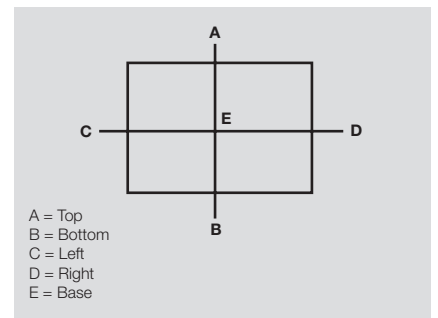
### Elevations



### Ordering Data Enclosures

| Description        | Finish          | Part Number |
|--------------------|-----------------|-------------|
| KLIPPON STB 6 SS   | Polished Sheet  | 1002760000  |
| KLIPPON STB 6 SS E | Electropolished | 1058870000  |

| Number of Cable Entries                          |     | A/B | C  | D  |
|--------------------------------------------------|-----|-----|----|----|
| Max number of cable entries per enclosure side** | M12 | 64  | 40 | 36 |
|                                                  | M16 | 33  | 24 | 21 |
|                                                  | M20 | 30  | 21 | 18 |
|                                                  | M25 | 16  | 10 | 10 |
|                                                  | M32 | 10  | 8  | 8  |
|                                                  | M40 | 6   | 3  | 3  |
|                                                  | M50 | 4   | 3  | 2  |
|                                                  | M63 | 2   | 2  | 2  |



| Max Number of Terminals (Industrial) |         |         | W series V | Vertical Z series H | SAK series V | W series V | Horizontal Z series H | SAK series V |
|--------------------------------------|---------|---------|------------|---------------------|--------------|------------|-----------------------|--------------|
| WDU 2.5                              | ZDU 2.5 | SAK 2.5 | 3 x 42     | 3 x 42              | 3 x 35       | 2 x 72     | 2 x 72                | 2 x 60       |
| WDU 4                                | ZDU 4   | SAK 4   | 3 x 35     | 3 x 35              | 3 x 33       | 2 x 60     | 2 x 60                | 2 x 56       |
| WDU 6                                | ZDU 6   | SAK 6   | 3 x 27     | 3 x 27              | 3 x 27       | 2 x 46     | 2 x 46                | 2 x 46       |
| WDU 10                               | ZDU 10  | SAK 10  | 3 x 22     | 3 x 22              | 3 x 21       | 2 x 37     | 2 x 37                | 2 x 36       |
| WDU 16N                              | ZDU 16  | SAK 16  | 3 x 18     | 3 x 18              | 3 x 18       | 2 x 30     | 2 x 30                | 2 x 30       |

### Ordering Data Accessories

| Sliding Fixing Nuts | Part Number |
|---------------------|-------------|
| SFNS5 VKMU M5 SW16  | 0433500000  |

**Notes:** Each enclosure is supplied with a set of sliding nuts + washer+ screws M5, to fix the mounting rail TS 35 or 32 onto the C-Profile

**Comments** \*\* Cable entries based on Weidmüller's standard IP68 cable glands  
– For specific hazardous area requirements please contact Weidmüller for a copy of the full certificate

## Steel enclosures

### Klippon® TB

- 12 standard sizes (two depths)
- 316L (1.4404) electropolished stainless steel
- High temperature silicone gasket
- High Ingress Protection (IP66/67)



### Klippon® JB

- 10 standard sizes, bottom gland plate (3 depths)
- 316L (1.4404) brushed stainless steel
- For harsh and industrial applications
- Foamed high temperature silicone gasket
- High Ingress Protection – IP66



### Klippon® STB

- 8 standard sizes
- 316L (1.4404) stainless steel
- Robust design for heavy duty applications



## Aluminium enclosures

### Klippon® K

- 19 standard sizes
- High quality aluminium alloy (natural or painted finish)
- High Ingress Protection – IP66



### Klippon® POK

- 17 standard sizes
- Durable Glass Reinforced Polyester (GRP)
- Halogen and cadmium free



### TBF-Series

- 9 standard sizes
- Durable Glass Reinforced Polyester (GRP)
- Featuring either grey or transparent lid



## Polycarbonate enclosures

### MPC-Series

- 9 standard sizes
- Universal small polycarbonate enclosures
- Featuring either grey or transparent lid



### FPC-Series

- 6 standard sizes
- Large polycarbonate enclosures
- Featuring either grey or transparent lid



## Accessories

### Cable glands Stopping plugs Breather drains



### Cable entries



