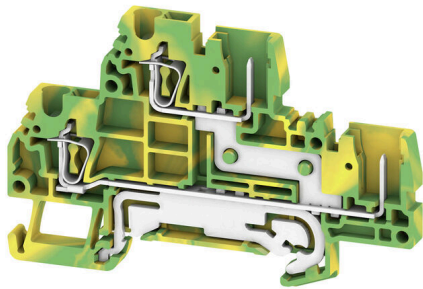


ZDT 2.5/2 PE**Weidmüller Interface GmbH & Co. KG**Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Product image

Some applications demand for a pluggable, modular solution to be more flexible or to facilitate the installation. Where complete functional units have to be prefabricated or replaced, modular and flexible connection systems are required. Our pluggable terminal blocks can be quickly assembled and are completely factory tested.

General ordering data

| | |
|------------|--|
| Version | Z-series, Plug-in modular terminals, Rated cross-section: 2.5 mm ² , Tension-clamp connection, Green/yellow |
| Order No. | 1815170000 |
| Type | ZDT 2.5/2 PE |
| GTIN (EAN) | 4032248340798 |
| Qty. | 50 items |

ZDT 2.5/2 PE

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

www.weidmueller.com

Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cURus) E60693

Dimensions and weights

| | | | |
|--------------------------|-------------|----------------|-------------|
| Depth | 52 mm | Depth (inches) | 2.0472 inch |
| Depth including DIN rail | 52.5 mm | Height | 80.5 mm |
| Height (inches) | 3.1693 inch | Width | 5.1 mm |
| Width (inches) | 0.2008 inch | Net weight | 15.79 g |

Temperatures

| | | | |
|----------------------------------|----------------|----------------------------------|---------------|
| Storage temperature | -25 °C...55 °C | Ambient temperature | -5 °C...40 °C |
| Continuous operating temp., min. | -50 °C | Continuous operating temp., max. | 120 °C |

Environmental Product Compliance

| | |
|------------------------|-----------------------------|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC | No SVHC above 0.1 wt% |

Material data

| | | | |
|---------------------------|-------|--------|--------------|
| Basic material | Wemid | Colour | Green/yellow |
| UL 94 flammability rating | V-0 | | |

System specifications

| | | | |
|-------------------------------------|--|-----------------------------------|-------|
| Version | 2 tension-clamp connections - 2 plug-in connections, pluggable, With PE connection | End cover plate required | Yes |
| Number of potentials | 1 | Number of levels | 2 |
| Number of clamping points per level | 4 | Levels cross-connected internally | No |
| PE connection | Yes | Mounting rail | TS 35 |
| PE function | Yes | | |

Additional technical data

| | | | |
|------------------|---------|--------------------------|----|
| Open sides | right | Explosion-tested version | No |
| Type of mounting | Snap-on | | |

CSA rating data

| | | | |
|-----------------------------------|----------------|-----------------------------------|--------|
| Voltage size C (cCSAus) | 300 V | Current size D (cCSAus) | 5 A |
| Wire cross section min. (cCSAusX) | 26 AWG | Current size C (cCSAus) | 20 A |
| Certificate number (cCSAus) | 154685-1460993 | Wire cross section max. (cCSAusX) | 12 AWG |
| Voltage size D (cCSAus) | 600 V | | |

ZDT 2.5/2 PE

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

www.weidmueller.com

Technical data

Conductors for clamping (additional connection)

| | | | |
|---|---------------------|--|-----------|
| Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max. | 2.5 mm ² | Connection type, additional connection | pluggable |
|---|---------------------|--|-----------|

Conductors for clamping (rated connection)

| | | | |
|---|--|---------|----------------------|
| Gauge to IEC 60947-1 | A2 | | |
| Wire connection cross section AWG, max. | AWG 12 | | |
| Connection direction | top | | |
| Stripping length | 10 mm | | |
| Type of connection | Tension-clamp connection | | |
| Number of connections | 4 | | |
| Clamping range, max. | 4 mm ² | | |
| Clamping range, min. | 0.13 mm ² | | |
| Blade size | 0.6 x 3.5 mm | | |
| Wire connection cross section AWG, min. | AWG 26 | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 2.5 mm ² | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.13 mm ² | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 2.5 mm ² | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.13 mm ² | | |
| Wire connection cross section, finely stranded, max. | 4 mm ² | | |
| Wire connection cross section, finely stranded, min. | 0.13 mm ² | | |
| Connection cross-section, stranded, max. | 4 mm ² | | |
| Connection cross-section, stranded, min. | 0.13 mm ² | | |
| Wire connection cross-section, solid core, max. | 4 mm ² | | |
| Wire connection cross-section, solid core, min. | 0.13 mm ² | | |
| Tube length for wire-end ferrule with plastic collar DIN 46228/4 | Cross-section for conductor connection | nominal | 0.5 mm ² |
| | | min. | 6 mm |
| | | max. | 10 mm |
| | Cross-section for conductor connection | nominal | 0.75 mm ² |
| | | min. | 6 mm |
| | | max. | 12 mm |
| | Cross-section for conductor connection | nominal | 1 mm ² |
| | | min. | 6 mm |
| | | max. | 12 mm |
| | Cross-section for conductor connection | nominal | 1.5 mm ² |
| | | min. | 8 mm |
| | | max. | 12 mm |
| | Cross-section for conductor connection | nominal | 2.5 mm ² |
| | | min. | 8 mm |
| | | max. | 12 mm |
| Tube length for wire-end ferrule without plastic collar DIN 46228/1 | Cross-section for conductor connection | nominal | 0.5 mm ² |
| | | nominal | 10 mm |

ZDT 2.5/2 PE

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Technical data

| | | |
|--|---------|----------------------|
| Cross-section for conductor connection | nominal | 0.75 mm ² |
| | nominal | 10 mm |
| Cross-section for conductor connection | nominal | 1 mm ² |
| | nominal | 10 mm |
| Cross-section for conductor connection | nominal | 1.5 mm ² |
| | min. | 10 mm |
| | max. | 12 mm |
| Cross-section for conductor connection | nominal | 2.5 mm ² |
| | min. | 10 mm |
| | max. | 12 mm |

General

| | | | |
|---|--------|---|--------|
| Wire connection cross section AWG, max. | AWG 12 | Wire connection cross section AWG, min. | AWG 26 |
| Mounting rail | TS 35 | | |

Rating data

| | | | |
|---|---------------------|--|---------|
| Rated cross-section | 2.5 mm ² | Rated voltage | 500 V |
| Rated voltage to adjoining terminal | 500 V | Max. voltage of clamp support & pluggable system | 690 V |
| Rated DC voltage | 500 V | Nominal current | 24 A |
| Current at maximum wires | 24 A | Volume resistance according to IEC 60947-7-x | 1.33 mΩ |
| Power loss in accordance with IEC 60947-7-x | 0.77 W | Pollution severity | 3 |

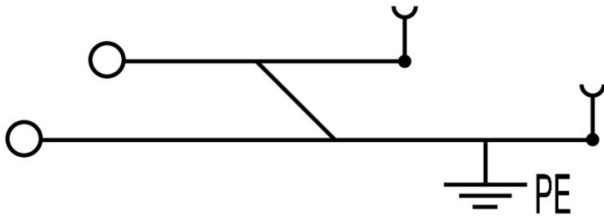
UL rating data

| | | | |
|--|--------|--|--------|
| Conductor size Factory wiring max. (cURus) | 12 AWG | Certificate No. (cURus) | E60693 |
| Conductor size Field wiring min. (cURus) | 26 AWG | Conductor size Factory wiring min. (cURus) | 26 AWG |
| Conductor size Field wiring max. (cURus) | 12 AWG | | |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC000897 | ETIM 9.0 | EC000897 |
| ETIM 10.0 | EC000897 | ECLASS 14.0 | 27-25-01-17 |
| ECLASS 15.0 | 27-25-01-17 | | |

Drawings



ZDT 2.5/2 PE

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

Accessories

www.weidmueller.com

Cross-connections



The distribution or multiplication of a potential to adjoining terminal blocks is realized via a cross-connection. Additional wiring effort can be easily avoided. Even if the poles are broken out, contact reliability in the terminal blocks is still ensured. Our portfolio offers pluggable and screwable cross-connection systems for modular terminal blocks.

General ordering data

| | | |
|------------|----------------------------|---------------------------------|
| Type | ZQV 2.5N/2 GE | Version |
| Order No. | 1693800000 | W-Series, Cross-connector, 24 A |
| GTIN (EAN) | 4008190883621 | |
| Qty. | 60 ST | |
| Type | ZQV 2.5N/3 GE | Version |
| Order No. | 1693810000 | W-Series, Cross-connector, 24 A |
| GTIN (EAN) | 4008190883645 | |
| Qty. | 60 ST | |
| Type | ZQV 2.5N/4 GE | Version |
| Order No. | 1693820000 | W-Series, Cross-connector, 24 A |
| GTIN (EAN) | 4008190883652 | |
| Qty. | 60 ST | |
| Type | ZQV 2.5N/5 GE | Version |
| Order No. | 1693830000 | W-Series, Cross-connector, 24 A |
| GTIN (EAN) | 4008190883669 | |
| Qty. | 20 ST | |
| Type | ZQV 2.5N/6 GE | Version |
| Order No. | 1693840000 | W-Series, Cross-connector, 24 A |
| GTIN (EAN) | 4008190883676 | |
| Qty. | 20 ST | |
| Type | ZQV 2.5N/7 GE | Version |
| Order No. | 1693850000 | W-Series, Cross-connector, 24 A |
| GTIN (EAN) | 4008190883683 | |
| Qty. | 20 ST | |
| Type | ZQV 2.5N/8 GE | Version |
| Order No. | 1693860000 | W-Series, Cross-connector, 24 A |
| GTIN (EAN) | 4008190883690 | |
| Qty. | 20 ST | |
| Type | ZQV 2.5N/9 GE | Version |
| Order No. | 1693870000 | W-Series, Cross-connector, 24 A |
| GTIN (EAN) | 4008190883706 | |
| Qty. | 20 ST | |
| Type | ZQV 2.5N/10 GE | Version |
| Order No. | 1693880000 | W-Series, Cross-connector, 24 A |
| GTIN (EAN) | 4008190883720 | |
| Qty. | 20 ST | |
| Type | ZQV 2.5N/20 GE | Version |
| Order No. | 1909000000 | W-Series, Cross-connector, 24 A |
| GTIN (EAN) | 4032248535613 | |
| Qty. | 20 ST | |

ZDT 2.5/2 PE

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

www.weidmueller.com

Accessories

| | | | |
|------------|----------------------------|---------------------------------|--|
| Type | ZQV 2.5N/50 GE | Version | |
| Order No. | 1693890000 | W-Series, Cross-connector, 24 A | |
| GTIN (EAN) | 4008190883737 | | |
| Qty. | 5 ST | | |

End plates and partition plates



Partition plates and end plates are essential accessories for terminal blocks. Partition plates provide optical and electrical separation of different potentials and functional groups, increasing safety and ensuring a clear structure inside the control cabinet. End plates close the terminal block row on the sides, protect against contact with live parts, and ensure a clean, stable finish. Both components are precisely matched to the respective Weidmüller terminal block series, contributing to safe, compliant, and professional wiring.

General ordering data

| | | | |
|------------|----------------------------|--------------------------------------|--|
| Type | ZAP/TW ZDT2.5/2 | Version | |
| Order No. | 1816110000 | Z-series, End plate, Partition plate | |
| GTIN (EAN) | 4032248370689 | | |
| Qty. | 50 ST | | |

Testadapter and testsockets



Test adapters and test plugs are used for the electrical connection between terminal blocks and the test equipment. In this way, an electrical contact can be established in the wired state and measurements can be done easily.

General ordering data

| | | | |
|------------|----------------------------|-----------------------------------|--|
| Type | ZTA ZT2.5/ZA | Version | |
| Order No. | 1847600000 | Accessories, Test adapter, 17.5 A | |
| GTIN (EAN) | 4032248412679 | | |
| Qty. | 25 ST | | |
| Type | ZTA ZT2.5 | Version | |
| Order No. | 1827080000 | Accessories, Test adapter, 17.5 A | |
| GTIN (EAN) | 4032248411276 | | |
| Qty. | 25 ST | | |

ZDT 2.5/2 PE

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Accessories

Plugs



The plugs for our WeiCoS-System are available for all different connection systems. The product range includes preassembled connectors from 1 to 10 poles and the possibility of an individual assembly. This ensures maximum flexibility for every application. The customized accessories increase the safety and protection against environmental influences.

General ordering data

| | | |
|------------|----------------------------|--|
| Type | ZVR ZP2.5 | Version |
| Order No. | 1816130000 | Z-series, Locking clips, yellow, 3.9 mm |
| GTIN (EAN) | 4032248370702 | |
| Qty. | 25 ST | |
| Type | ZVR ZPS2.5 | Version |
| Order No. | 1878620000 | Z-series, Locking clips, yellow, 15 mm |
| GTIN (EAN) | 4032248471591 | |
| Qty. | 20 ST | |
| Type | KOSF ZT2.5 | Version |
| Order No. | 1816150000 | Z-series, Coding element, yellow, 2.9 mm |
| GTIN (EAN) | 4032248370726 | |
| Qty. | 50 ST | |
| Type | ZZE ZP2.5 | Version |
| Order No. | 1816140000 | Z-series, Strain relief, yellow, 9.9 mm |
| GTIN (EAN) | 4032248370719 | |
| Qty. | 25 ST | |
| Type | ZZE ZP2.5/4 | Version |
| Order No. | 1866220000 | Z-series, Strain relief, yellow, 19.9 mm |
| GTIN (EAN) | 4032248480845 | |
| Qty. | 25 ST | |
| Type | ZVLA SC ZPS2.5 | Version |
| Order No. | 1866240000 | Z-series, Plug-in modular terminals, yellow, 15 mm |
| GTIN (EAN) | 4032248513376 | |
| Qty. | 20 ST | |
| Type | ZVLA DF CL ZPS2.5 | Version |
| Order No. | 1878610000 | Z-series, Plug-in modular terminals, yellow |
| GTIN (EAN) | 4032248471584 | |
| Qty. | 20 ST | |
| Type | ZVLA RC ZPS2.5 | Version |
| Order No. | 1866260000 | Z-series, Plug-in modular terminals, yellow, 8.8 mm |
| GTIN (EAN) | 4032248524754 | |
| Qty. | 20 ST | |
| Type | ZVLA1 ZPS2.5 | Version |
| Order No. | 1866250000 | Z-series, Plug-in modular terminals, yellow, 8.8 mm |
| GTIN (EAN) | 4032248524761 | |
| Qty. | 20 ST | |
| Type | ZP 2.5/1AN/QV/1 | Version |
| Order No. | 1815190000 | Z-series, Plug-in connector, dark beige, Direct mounting |
| GTIN (EAN) | 4032248370061 | |
| Qty. | 50 ST | |

ZDT 2.5/2 PE

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

www.weidmueller.com

Accessories

| | | |
|------------|----------------------------|--|
| Type | ZP 2.5/1AN/QV/1 GN | Version |
| Order No. | 1820570000 | Z-series, Plug-in connector, green, Direct mounting |
| GTIN (EAN) | 4032248370078 | |
| Qty. | 50 ST | |
| Type | ZP 2.5/1AN/QV/2 | Version |
| Order No. | 1815200000 | Z-series, Plug-in connector, dark beige, Direct mounting |
| GTIN (EAN) | 4032248370085 | |
| Qty. | 25 ST | |
| Type | ZP 2.5/1AN/QV/3 | Version |
| Order No. | 1815210000 | Z-series, Plug-in connector, dark beige, Direct mounting |
| GTIN (EAN) | 4032248370092 | |
| Qty. | 25 ST | |
| Type | ZP 2.5/1AN/QV/4 | Version |
| Order No. | 1815220000 | Z-series, Plug-in connector, dark beige, Direct mounting |
| GTIN (EAN) | 4032248370108 | |
| Qty. | 25 ST | |
| Type | ZP 2.5/1AN/QV/5 | Version |
| Order No. | 1815230000 | Z-series, Plug-in connector, dark beige, Direct mounting |
| GTIN (EAN) | 4032248342518 | |
| Qty. | 25 ST | |
| Type | ZP 2.5/1AN/QV/6 | Version |
| Order No. | 1815240000 | Z-series, Plug-in connector, dark beige, Direct mounting |
| GTIN (EAN) | 4032248342525 | |
| Qty. | 25 ST | |
| Type | ZP 2.5/1AN/QV/7 | Version |
| Order No. | 1815250000 | Z-series, Plug-in connector, dark beige, Direct mounting |
| GTIN (EAN) | 4032248342532 | |
| Qty. | 25 ST | |
| Type | ZP 2.5/1AN/QV/8 | Version |
| Order No. | 1815260000 | Z-series, Plug-in connector, dark beige, Direct mounting |
| GTIN (EAN) | 4032248342549 | |
| Qty. | 20 ST | |
| Type | ZP 2.5/1AN/QV/9 | Version |
| Order No. | 1815270000 | Z-series, Plug-in connector, dark beige, Direct mounting |
| GTIN (EAN) | 4032248342556 | |
| Qty. | 20 ST | |
| Type | ZP 2.5/1AN/QV/10 | Version |
| Order No. | 1815280000 | Z-series, Plug-in connector, dark beige, Direct mounting |
| GTIN (EAN) | 4032248342563 | |
| Qty. | 20 ST | |
| Type | ZP 2.5/1AN/QV/11 | Version |
| Order No. | 1815290000 | Z-series, Plug-in connector, dark beige, Direct mounting |
| GTIN (EAN) | 4032248342570 | |
| Qty. | 20 ST | |
| Type | ZP 2.5/1AN/QV/12 | Version |
| Order No. | 1815300000 | Z-series, Plug-in connector, dark beige, Direct mounting |
| GTIN (EAN) | 4032248342587 | |
| Qty. | 20 ST | |
| Type | ZP 2.5/1AN/QV/13 | Version |
| Order No. | 1815310000 | Z-series, Plug-in connector, dark beige, Direct mounting |
| GTIN (EAN) | 4032248370115 | |
| Qty. | 10 ST | |

ZDT 2.5/2 PE

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

www.weidmueller.com

Accessories

| | | |
|------------|----------------------------|--|
| Type | ZP 2.5/1AN/QV/14 | Version |
| Order No. | 1815320000 | Z-series, Plug-in connector, dark beige, Direct mounting |
| GTIN (EAN) | 4032248370122 | |
| Qty. | 10 ST | |
| Type | ZP 2.5/1AN/QV/15 | Version |
| Order No. | 1815330000 | Z-series, Plug-in connector, dark beige, Direct mounting |
| GTIN (EAN) | 4032248370139 | |
| Qty. | 10 ST | |
| Type | ZP 2.5/1AN/QV/16 | Version |
| Order No. | 1815340000 | Z-series, Plug-in connector, dark beige, Direct mounting |
| GTIN (EAN) | 4032248370146 | |
| Qty. | 10 ST | |
| Type | ZP 2.5/1AN/QV/17 | Version |
| Order No. | 1815350000 | Z-series, Plug-in connector, dark beige, Direct mounting |
| GTIN (EAN) | 4032248370153 | |
| Qty. | 10 ST | |
| Type | ZP 2.5/1AN/QV/20 | Version |
| Order No. | 1815380000 | Rail components, Plug-in connector |
| GTIN (EAN) | 4032248370184 | |
| Qty. | 10 ST | |
| Type | ZAD ZT/ZPS2.5 | Version |
| Order No. | 1861030000 | Z-series, Cover plate, yellow, 4.2 mm |
| GTIN (EAN) | 4032248418428 | |
| Qty. | 25 ST | |

STR transparent strips



General ordering data

| | | |
|------------|----------------------------|--|
| Type | STR 7 F.SCHT 7 | Version |
| Order No. | 0515300000 | Terminal markers, Protective cap, 27 x 6.3 mm, Transparent |
| GTIN (EAN) | 4008190182175 | |
| Qty. | 20 ST | |

ZDT 2.5/2 PE

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

Accessories

www.weidmueller.com

Blank



The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.

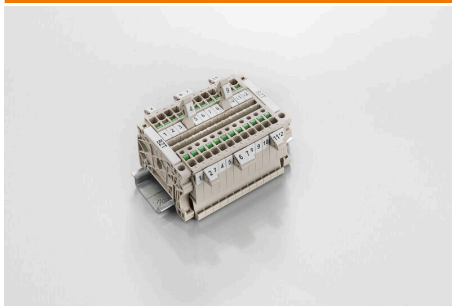
Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.

- Large range of ready-to-use markers
 - Strips for fast installation
 - Terminal markers, suitable for all Weidmüller cable connectors
 - Available as blank MultiCard or with standard printing
- For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

| | | |
|------------|----------------------------|--|
| Type | DEK 5/5 MC NE WS | Version |
| Order No. | 1609801044 | Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00 |
| GTIN (EAN) | 4008190397111 | Weidmueller, white |
| Qty. | 1000 ST | |
| Type | WS 10/5 M MC NE WS | Version |
| Order No. | 1792000000 | WS, Terminal marker, 10 x 5 mm, Pitch in mm (P): 5.00 Weidmueller, |
| GTIN (EAN) | 4032248223862 | Allen-Bradley, white |
| Qty. | 720 ST | |
| Type | ZS 10/5 MC NE WS | Version |
| Order No. | 1610000000 | ZS, Terminal marker, 10 x 5 mm, Pitch in mm (P): 5.00 Weidmueller, |
| GTIN (EAN) | 4008190263171 | Allen-Bradley, white |
| Qty. | 480 ST | |

Marker holder



The marker holder offer the possibility of additional mounting of standard markers with a pitch of 5 or 5.1 mm. The angled holders can be optionally snapped together and could be mounted in all standard marking channels of the Klippon® Connect modular terminal blocks. Fitting marker types could be found under the respective accessories of the designation marking holder.

General ordering data

| | | |
|------------|----------------------------|----------------------------|
| Type | BZT 1 WS 10/5 | Version |
| Order No. | 1805490000 | Accessories, Marker holder |
| GTIN (EAN) | 4032248270231 | |
| Qty. | 100 ST | |
| Type | BZT 1 ZA WS 10/5 | Version |
| Order No. | 1805520000 | Accessories, Marker holder |
| GTIN (EAN) | 4032248270248 | |
| Qty. | 100 ST | |

Accessories**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 0.6X3.5X100 | Version | |
| Order No. | 2749610000 | Mounting tool, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade | |
| GTIN (EAN) | 4050118896350 | thickness (A): 0.6 mm | |
| Qty. | 1 ST | | |