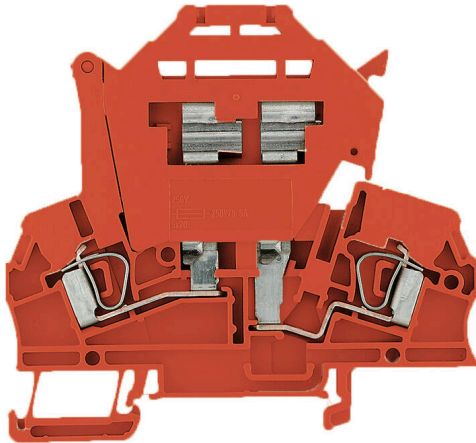


ZSI 2.5 RT**Weidmüller Interface GmbH & Co. KG**Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Product image

Fuse terminal blocks and component terminal blocks allow protective and functional elements to be integrated directly into the terminal strip. Fuse terminal blocks include built-in fuse holders to reliably protect electrical circuits against overload –ideal for control and distribution systems. Component terminal blocks make it possible to incorporate electronic components such as diodes, resistors, or LEDs directly into the wiring. This enables space-saving and clearly arranged implementation of switching functions and signal separation. Both types of terminal blocks ensure higher safety, easy maintenance, and a compact, function-oriented installation.

General ordering data

| | |
|------------|---|
| Version | Z-series, Fuse terminal, Rated cross-section: 2.5 mm ² , Tension-clamp connection, Direct mounting |
| Order No. | 1315780000 |
| Type | ZSI 2.5 RT |
| GTIN (EAN) | 4050118118643 |
| Qty. | 50 items |

ZSI 2.5 RT

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 Germany

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Technical data

Approvals

Approvals



ROHS Conform

Dimensions and weights

| | | | |
|--------------------------|-------------|----------------|------------|
| Depth | 73 mm | Depth (inches) | 2.874 inch |
| Depth including DIN rail | 74 mm | Height | 79.5 mm |
| Height (inches) | 3.1299 inch | Width | 7.9 mm |
| Width (inches) | 0.311 inch | Net weight | 19.54 g |

Temperatures

| | | | |
|----------------------------------|----------------|----------------------------------|----------------|
| Storage temperature | -25 °C...55 °C | Ambient temperature | -50 °C...75 °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 | red |
| UL 94 flammability rating | V-0 | | |

System specifications

| | | | |
|-------------------------------------|---|-------------------------------|-----|
| Version | Tension-clamp connection, Fuse cartridge, Without LED, for plug-in cross-connector, One end without connector | End cover plate required | Yes |
| Number of potentials | 1 | Number of levels | 1 |
| Number of clamping points per level | 2 | Number of potentials per tier | 1 |
| Levels cross-connected internally | No | PE connection | No |
| Mounting rail | TS 35 | N-function | No |
| PE function | No | PEN function | No |

Additional technical data

| | | | |
|---------------------|-----------------|-----------------------------|----|
| Open sides | right | Number of similar terminals | 1 |
| Installation advice | Direct mounting | Explosion-tested version | No |
| Type of mounting | Snap-on | | |

Conductors for clamping (additional connection)

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

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Technical data

Conductors for clamping (rated connection)

| | | | |
|---|--------------------------|---|--------------------------|
| Gauge to IEC 60947-1 | A3 | Wire connection cross section AWG, max. | AWG 12 |
| Connection direction | Inclined / angled | Stripping length | 10 mm |
| Type of connection 2 | Tension-clamp connection | Type of connection | Tension-clamp connection |
| Number of connections | 2 | 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 | Connection cross-section, finely stranded, min. | 0.13 mm ² |

Fuse terminals

| | | | |
|--|-----------------------|--|-----------------------|
| Cartridge fuse | G-Si. 5 x 20 | Fuse holder (cartridge holder) | Pivoting |
| Type of voltage for indicator | AC/DC | Operating voltage, max. | 500 V |
| Power loss for short-circuit protection only for a composite arrangement | 4.0 W at 6.3 A @ 59°C | Power loss for short-circuit protection only for an individual arrangement | 4.0 W at 6.3 A @ 59°C |
| Power loss for overload and short-circuit protection for an individual arrangement | 2.5 W at 6.3 A @ 30°C | Power loss for overload and short-circuit protection for a composite arrangement | 1.6 W at 6.3 A @ 37°C |

General

| | | | |
|---|--------|---------------------|-----------------|
| Wire connection cross section AWG, max. | AWG 12 | Installation advice | Direct mounting |
| Wire connection cross section AWG, min. | AWG 26 | Standards | IEC 60947-7-3 |
| Mounting rail | TS 35 | | |

Rating data

| | | | |
|-------------------------------------|---------------------|--|---------|
| Rated cross-section | 2.5 mm ² | Rated voltage | 500 V |
| Rated voltage to adjoining terminal | 500 V | Rated DC voltage | 500 V |
| Nominal current | 6.3 A | Current at maximum wires | 6.3 A |
| Standards | IEC 60947-7-3 | Volume resistance according to IEC 60947-7-x | 1.33 mΩ |
| Rated impulse withstand voltage | 6 kV | Power loss in accordance with IEC 60947-7-x | 0.77 W |
| Pollution severity | 3 | | |

Important note

Product information The voltage depends on the selected fuse element or the selected indicator light

Classifications

| | | | |
|-----------|----------|-------------|-------------|
| ETIM 8.0 | EC000899 | ETIM 9.0 | EC000899 |
| ETIM 10.0 | EC000899 | ECLASS 14.0 | 27-25-01-13 |

Technical data

ECLASS 15.0

27-25-01-13

Drawings



ZSI 2.5 RT

Weidmüller Interface GmbH & Co. KG

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Accessories

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 6/2 GE | Version |
| Order No. | 1627850000 | Accessories, Cross-connector, 41 A |
| GTIN (EAN) | 4008190200428 | |
| Qty. | 60 ST | |
| Type | ZQV 6/3 GE | Version |
| Order No. | 1627860000 | Accessories, Cross-connector, 41 A |
| GTIN (EAN) | 4008190200435 | |
| Qty. | 60 ST | |
| Type | ZQV 6/4 GE | Version |
| Order No. | 1627870000 | Accessories, Cross-connector, 41 A |
| GTIN (EAN) | 4008190200442 | |
| Qty. | 60 ST | |
| Type | ZQV 6/24 GE | Version |
| Order No. | 1908990000 | Accessories, Cross-connector, 41 A |
| GTIN (EAN) | 4032248535309 | |
| Qty. | 10 ST | |
| Type | ZQV 6/32 GE | Version |
| Order No. | 1733640000 | Accessories, Cross-connector, 41 A |
| GTIN (EAN) | 4008190994334 | |
| Qty. | 10 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 3 | Version |
| Order No. | 1608800000 | Z-series, Accessories, End plate, Partition plate |
| GTIN (EAN) | 4008190190927 | |
| Qty. | 50 ST | |

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Accessories

| | | |
|------------|----------------------------|--------------------------------------|
| Type | ZAP/TW 3 BL | Version |
| Order No. | 1608810000 | Z-series, End plate, Partition plate |
| GTIN (EAN) | 4008190190934 | |
| Qty. | 50 ST | |
| Type | ZAP/TW 3 GN | Version |
| Order No. | 1683840000 | Z-series, End plate, Partition plate |
| GTIN (EAN) | 4008190477561 | |
| Qty. | 50 ST | |
| Type | ZAP/TW 3 GR | Version |
| Order No. | 1683870000 | Z-series, End plate, Partition plate |
| GTIN (EAN) | 4008190477592 | |
| Qty. | 50 ST | |
| Type | ZAP/TW 3 OR | Version |
| Order No. | 1608820000 | Z-series, End plate, Partition plate |
| GTIN (EAN) | 4008190190941 | |
| Qty. | 50 ST | |
| Type | ZAP/TW 3 RT | Version |
| Order No. | 1683820000 | Z-series, End plate, Partition plate |
| GTIN (EAN) | 4008190477547 | |
| Qty. | 50 ST | |
| Type | ZAP/TW 3 SW | Version |
| Order No. | 1683890000 | Z-series, End plate, Partition plate |
| GTIN (EAN) | 4008190477615 | |
| Qty. | 50 ST | |
| Type | ZAP/TW 3 WS | Version |
| Order No. | 1683880000 | Z-series, End plate, Partition plate |
| GTIN (EAN) | 4008190477608 | |
| 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 1 | Version |
| Order No. | 1609040000 | Accessories, Test adapter, 9 A |
| GTIN (EAN) | 4008190196851 | |
| Qty. | 25 ST | |
| Type | ZTA 1/ZA | Version |
| Order No. | 1609050000 | Accessories, Test adapter, 9 A |
| GTIN (EAN) | 4008190206543 | |
| Qty. | 25 ST | |

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Accessories

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Fuse



As accessories for our wide product portfolio of fuse terminal blocks, we also offer the appropriate fuse links. The portfolio includes device protection fuses (miniature fuses) from 5x20 mm up to 10x38 mm, E 14 to E 18 fuse links, as well as automotive fuses and automatic circuit breakers. Gauge rings for the fuse holders round off the overall portfolio.

General ordering data

| | | |
|------------|----------------------------|--|
| Type | G 20/0.10A/F | Version |
| Order No. | 0430300000 | Miniature fuse, quick-acting, 0.1 A, G-Si. 5 x 20 |
| GTIN (EAN) | 4008190077174 | |
| Qty. | 10 ST | |
| Type | G 20/0.20A/F | Version |
| Order No. | 0430400000 | Miniature fuse, quick-acting, 0.2 A, G-Si. 5 x 20 |
| GTIN (EAN) | 4008190152383 | |
| Qty. | 10 ST | |
| Type | G 20/0.25A/F | Version |
| Order No. | 0430500000 | Miniature fuse, quick-acting, 0.25 A, G-Si. 5 x 20 |
| GTIN (EAN) | 4008190153991 | |
| Qty. | 10 ST | |
| Type | G 20/0.50A/F | Version |
| Order No. | 0430600000 | Miniature fuse, quick-acting, 0.5 A, G-Si. 5 x 20 |
| GTIN (EAN) | 4008190046835 | |
| Qty. | 10 ST | |
| Type | G 20/0.63A/F | Version |
| Order No. | 0439000000 | Miniature fuse, quick-acting, 0.63 A, G-Si. 5 x 20 |
| GTIN (EAN) | 4008190131210 | |
| Qty. | 10 ST | |
| Type | G 20/1.00A/F | Version |
| Order No. | 0430700000 | Miniature fuse, quick-acting, 1 A, G-Si. 5 x 20 |
| GTIN (EAN) | 4008190093877 | |
| Qty. | 10 ST | |
| Type | G 20/1.60A/F | Version |
| Order No. | 0430800000 | Miniature fuse, quick-acting, 1.6 A, G-Si. 5 x 20 |
| GTIN (EAN) | 4008190031503 | |
| Qty. | 10 ST | |
| Type | G 20/2.00A/F | Version |
| Order No. | 0430900000 | Miniature fuse, quick-acting, 2 A, G-Si. 5 x 20 |
| GTIN (EAN) | 4008190123567 | |
| Qty. | 10 ST | |
| Type | G 20/2.50A/F | Version |
| Order No. | 0431000000 | Miniature fuse, quick-acting, 2.5 A, G-Si. 5 x 20 |
| GTIN (EAN) | 4008190085513 | |
| Qty. | 10 ST | |
| Type | G 20/3.15A/F | Version |
| Order No. | 0431100000 | Miniature fuse, quick-acting, 3.15 A, G-Si. 5 x 20 |
| GTIN (EAN) | 4008190012977 | |
| Qty. | 10 ST | |

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Accessories

| | | |
|------------|----------------------------|---|
| Type | G 20/4.00A/F | Version |
| Order No. | 0431200000 | Miniature fuse, quick-acting, 4 A, G-Si. 5 x 20 |
| GTIN (EAN) | 4008190022983 | |
| Qty. | 10 ST | |
| Type | G 20/5.00A/F | Version |
| Order No. | 0431300000 | Miniature fuse, quick-acting, 5 A, G-Si. 5 x 20 |
| GTIN (EAN) | 4008190185381 | |
| Qty. | 10 ST | |
| Type | G 20/6.30A/F | Version |
| Order No. | 0431400000 | Miniature fuse, quick-acting, 6.3 A, G-Si. 5 x 20 |
| GTIN (EAN) | 4008190086053 | |
| Qty. | 10 ST | |

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 12/5 MC NE WS | Version |
| Order No. | 1609860000 | WS, Terminal marker, 12 x 5 mm, Pitch in mm (P): 5.00 Weidmueller, |
| GTIN (EAN) | 4008190203481 | Allen-Bradley, white |
| Qty. | 720 ST | |

STR transparent strips



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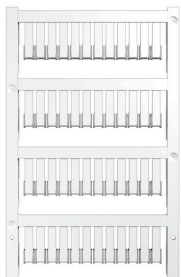
www.weidmueller.com

Accessories

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 | | |

Blank



ZS markers - in proven MultiCard-format - have been developed specifically for the Z-series. They have a large printing area. The hinged mechanism even allows access to cross-connectors without dismantling. Quick installation is guaranteed by the fact that the single tags are clipped on in strips. The single tags are easy to separate.

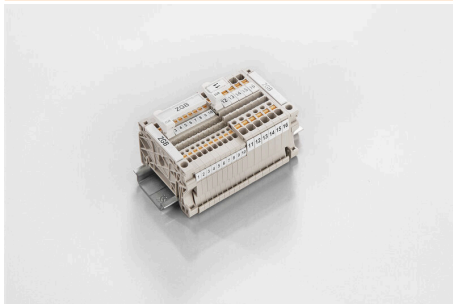
- Hinged marker area
- Can be fitted in strips or individually
- Markers in proven MultiCard format

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 | ZS 15/5 MC NE WS | Version | |
| Order No. | 1646630000 | ZS, Terminal marker, 15 x 5 mm, Pitch in mm (P): 5.00 Weidmueller, | |
| GTIN (EAN) | 4008190401214 | Allen-Bradley, white | |
| Qty. | 480 ST | | |

ZGB pivotable group tag holder



The ZGB 15 is a hinged group tag carrier. The tag carrier can hold the dekafix 5, WS 12/5 terminal markers or the inlay tag ESO 15.

The ZGB 30 is a hinged group tag carrier. The tag carrier can hold the dekafix 5, WS 12/5 terminal markers or the inlay tag ESO 7.

Inlay tags and protective strips can be found under "Accessories".

General ordering data

| | | | |
|------------|----------------------------|---|--|
| Type | ZGB 15 | Version | |
| Order No. | 1636530000 | Terminal markers, Terminal marker, 15 x 7 mm, Pitch in mm (P): 5.00 | |
| GTIN (EAN) | 4008190297053 | Weidmueller, white | |
| Qty. | 20 ST | | |
| Type | ZGB 30 | Version | |
| Order No. | 1611930000 | Terminal markers, Terminal marker, 32 x 7 mm, Pitch in mm (P): 5.00 | |
| GTIN (EAN) | 4008190002251 | Weidmueller, white | |
| Qty. | 20 ST | | |
| Type | ZGB 30/3.5 | Version | |
| Order No. | 1778290000 | Terminal markers, Terminal marker, 32 x 7 mm, Pitch in mm (P): 3.50 | |
| GTIN (EAN) | 4032248161065 | white | |
| Qty. | 20 ST | | |

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Accessories

End plates and partition plates

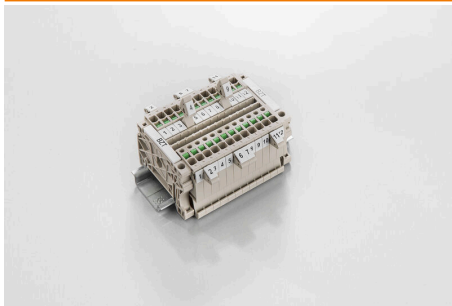


Partition plates and end plates are essential accessories for terminal blocks. Partition plates provide optical and electrical separation of different potentials and functional groups, increasing safety and ensuring a clear structure inside the control cabinet. End plates close the terminal block row 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 TNHE/ZSI2.5 | Version | |
| Order No. | 1610840000 | Version | Z-series, End plate |
| GTIN (EAN) | 4008190263379 | | |
| Qty. | 25 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 | Version | Accessories, Marker holder |
| GTIN (EAN) | 4032248270231 | | |
| Qty. | 100 ST | | |
| Type | BZT 1 ZA WS 10/5 | Version | |
| Order No. | 1805520000 | Version | Accessories, Marker holder |
| GTIN (EAN) | 4032248270248 | | |
| Qty. | 100 ST | | |

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Accessories

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WS 12/5



WS/ DEK

MultiMark terminal markers use an innovative composite material made from two components. The hard base contour of the marker snaps securely into the connector. The elastic surface finish makes the marker easy to mount. This specially punched material enables the strips to be stretched to accommodate the slight variations in spacing that tend to add up, especially with long terminal blocks. Another advantage: the excellent printability of the surface material guarantees durable and wear-resistant labelling. A print resolution of 300 dpi also produces a very legible script.

Your benefits with MultiMark

- Firm hold and durable printing
- Continuous strips save installation time
- Easy mounting thanks to an innovative composite material
- Large label field for optimal legibility
- High flexibility thanks to manufacturer independence

General ordering data

| | | | |
|------------|----------------------------|---------|--|
| Type | WS 12/5 MM WS | Version | |
| Order No. | 2007190000 | | WS, Terminal marker, 12 x 5 mm, Weidmueller, white |
| GTIN (EAN) | 4050118392036 | | |
| Qty. | 800 ST | | |

End bracket



Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

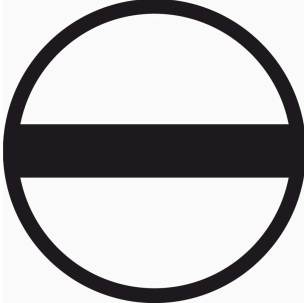
General ordering data

| | | | |
|------------|----------------------------|---------|---------------------------------|
| Type | ZST 1 | Version | |
| Order No. | 1269070000 | | Accessories, Accessories holder |
| GTIN (EAN) | 4050118094091 | | |
| Qty. | 25 ST | | |

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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 | | |