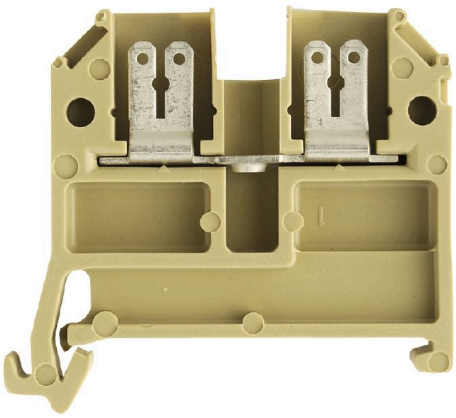
Data sheet

# AST 3/35 6.3/2.8

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

www.weidmueller.com

## Product image



To feed through power, signal, and data is the classical requirement in electrical engineering and panel building. The insulating material, the connection system and the design of the terminal blocks are the differentiating features. A feed-through terminal block is suitable for joining and/or connecting one or more conductors. They could have one or more connection levels that are on the same potential or insulated against one another.

### General ordering data

| | |
|---|---|
| Version | Feed-through terminal block, Flat-blade connection, beige / yellow, 2.5 mm², 20 A, 500 V, Number of connections: 2 |
| Order No. | 0460360000 |
| Type | AST 3/35 6.3/2.8 |
| GTIN (EAN) | 4008190001094 |
| Qty. | 100 items |
| Delivery status | This article will no longer be available in the future. |
| Available until | 2026-06-30T00:00:00+02:00 |
| Alternative product | AST 1/35 6.3/2.8 |

# Data sheet

## AST 3/35 6.3/2.8

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# Technical data

### Approvals

| | |
|---|---|
| Approvals | |
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate No. (UR) | E60693 |

### Dimensions and weights

| | | | |
|---|---|---|---|
| Depth | 40.1 mm | Depth (inches) | 1.5787 inch |
| Height | 40 mm | Height (inches) | 1.5748 inch |
| Width | 6.1 mm | Width (inches) | 0.2402 inch |
| Net weight | 5.98 g | | |

### Temperatures

| | | | |
|---|---|---|---|
| Storage temperature | -25 °C...55 °C | Ambient temperature | -5 °C...40 °C |
| Continuous operating temp., min. | -50 °C | Continuous operating temp., max. | 100 °C |

### Environmental Product Compliance

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

### Material data

| | | | |
|---|---|---|---|
| Basic material | PA 66 | Colour | beige / yellow |
| UL 94 flammability rating | V-2 | | |

### System specifications

| | | | |
|---|---|---|---|
| Version | With cable lug connection F2.8, With cable lug connection F6.3, for screwable cross-connection, 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 | | |

### CSA rating data

| | | | |
|---|---|---|---|
| Voltage size C (CSA) | 300 V | Current size C (CSA) | 16 A |
| Certificate No. (CSA) | 12400-142 | | |

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## Technical data

### Conductors for clamping (additional connection)

| | |
|---|---|
| Connection type, additional connection | Screw connection |

### Conductors for clamping (rated connection)

| | | | |
|---|---|---|---|
| Wire connection cross section AWG, max. | AWG 14 | Connection direction | top |
| Type of connection | Flat-blade connection | Number of connections | 2 |
| Clamping range, max. | 2.5 mm² | Clamping range, min. | 0.5 mm² |
| Clamping range, bolted connection , max. | 4.00 mm² | Clamping range, bolted connection , min. | 0.2 mm² |
| Wire connection cross section AWG, min. | AWG 20 | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 mm² | Wire connection cross section, finely stranded, max. | 2.5 mm² |
| Wire connection cross section, finely stranded, min. | 0.5 mm² | Connection cross-section, stranded, max. | 2.5 mm² |
| Connection cross-section, stranded, min. | 0.5 mm² | Wire connection cross-section, solid core, max. | 2.5 mm² |
| Wire connection cross-section, solid core, min. | 0.5 mm² | Connection cross-section, finely stranded, min. | 0.5 mm² |

### General

| | | | |
|---|---|---|---|
| Wire connection cross section AWG, max. | AWG 14 | Installation advice | Direct mounting |
| Wire connection cross section AWG, min. | AWG 20 | Standards | IEC 61210, In accordance with IEC 60947-7-1 |
| Mounting rail | TS 35 | | |

### Rating data

| | | | |
|---|---|---|---|
| Rated cross-section | 2.5 mm² | Rated voltage | 500 V |
| Rated DC voltage | 500 V | Nominal current | 20 A |
| Current at maximum wires | 20 A | Standards | IEC 61210, In accordance with IEC 60947-7-1 |
| 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 |

### UL rating data

| | | | |
|---|---|---|---|
| Current size C (UR) | 13 A | Voltage size C (UR) | 300 V |
| Certificate No. (UR) | E60693 | | |

### Classifications

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

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# Accessories

## Disconnect plugs

In contrast to the terminal blocks with integrated disconnect lever, our disconnect plugs can be completely detached or removed from the terminal block and the respective application and offer a flexible alternative solution to our standard disconnectors.

### General ordering data

| | | |
|---|---|---|
| Type | Q 2 SAK2.5 | Version |
| Order No. | 0337000000 | Cross-connector (terminal), when screwed in, grey, 24 A, Number of |
| GTIN (EAN) | 4008190005801 | poles: 2, Pitch in mm (P): 6.00, Insulated: No, Width: 11.5 mm |
| Qty. | 50 ST | |

## 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 | Q 3 SAK2.5 | Version |
| Order No. | 0337100000 | Cross-connector (terminal), when screwed in, grey, 24 A, Number of |
| GTIN (EAN) | 4008190015411 | poles: 3, Pitch in mm (P): 6.00, Insulated: No, Width: 17.2 mm |
| Qty. | 50 ST | |

## Disconnect plugs

In contrast to the terminal blocks with integrated disconnect lever, our disconnect plugs can be completely detached or removed from the terminal block and the respective application and offer a flexible alternative solution to our standard disconnectors.

### General ordering data

| | | |
|---|---|---|
| Type | Q 4 SAK2.5 | Version |
| Order No. | 0337200000 | Cross-connector (terminal), when screwed in, grey, 24 A, Number of |
| GTIN (EAN) | 4008190142902 | poles: 4, Pitch in mm (P): 6.00, Insulated: No, Width: 23.4 mm |
| Qty. | 50 ST | |

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## Accessories

| | | |
|---|---|---|
| Type | Q 10 SAK2.5 | Version |
| Order No. | 0368700000 | Cross-connector (terminal), when screwed in, grey, 24 A, Number of |
| GTIN (EAN) | 4008190107796 | poles: 10, Pitch in mm (P): 6.00, Insulated: No, Width: 60.6 mm |
| Qty. | 20 ST | |

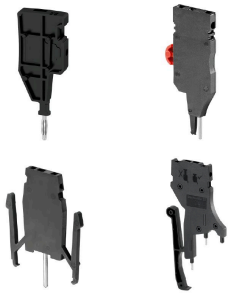
### End plates and partition plates

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 | AP SAK2.5+AST3+4/35 | Version |
| Order No. | 0460560000 | End plate for terminals, beige, Height: 39 mm, Width: 1.5 mm, V-2, |
| GTIN (EAN) | 4008190048334 | PA 66, Snap-on: Yes |
| Qty. | 20 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 | STA 2.5/2 | Version |
| Order No. | 0165860000 | Test adapter (terminal) |
| GTIN (EAN) | 4008190129491 | |
| Qty. | 100 ST | |

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## Accessories

### End plates and partition plates

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#### General ordering data

| | | |
|---|---|---|
| Type | TW 4 SAK4-10 | Version |
| Order No. | 0130160000 | Partition plate (terminal), beige, Height: 50 mm, Width: 1.5 mm, V-2, |
| GTIN (EAN) | 4008190096335 | PA 66 |
| Qty. | 20 ST | |
| Type | TSCH 1 | Version |
| Order No. | 0319160000 | Small partition (terminal), PA 66, beige, Continuous operating temp., |
| GTIN (EAN) | 4008190097219 | max.: 100 °C |
| Qty. | 100 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 | PS 2.3 RT | Version |
| Order No. | 0180400000 | Test adapter (terminal), 230 V, 20 mA |
| GTIN (EAN) | 4008190060121 | |
| Qty. | 20 ST | |
| Type | STB 14/D5/2.3/M3 SAK2.5 | Version |
| Order No. | 0168600000 | SAK Series, Socket |
| GTIN (EAN) | 4008190135225 | |
| Qty. | 50 ST | |

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# Accessories

## Mounting support

We offer a broad portfolio of mounting support for easy handling and supplementation of our products. From various tools to insulating sleeves and various screws, our components are matched to each other down to the last detail and thus facilitate assembly in compliance with the respective standards and protective regulations.

### General ordering data

| | | |
|---|---|---|
| Type | IH 2.8 DB | Version |
| Order No. | 0386060000 | W-Series, Insulating sleeve |
| GTIN (EAN) | 4008190043414 | |
| Qty. | 100 ST | |
| Type | IH 4.8 DB | Version |
| Order No. | 0386160000 | W-Series, Insulating sleeve |
| GTIN (EAN) | 4008190141004 | |
| Qty. | 100 ST | |
| Type | IH 6.3 WEM GE | Version |
| Order No. | 0386260000 | W-Series, Insulating sleeve |
| GTIN (EAN) | 4008190164256 | |
| Qty. | 100 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 | TSCH 2 | Version |
| Order No. | 0353660000 | Small partition (terminal), PA 66, beige, Continuous operating temp., |
| GTIN (EAN) | 4008190128432 | max.: 100 °C |
| Qty. | 100 ST | |

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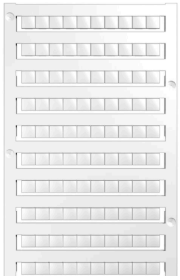
## Accessories

### 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 5/6 MC NE WS | Version |
| Order No. | 1609820000 | Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00 |
| GTIN (EAN) | 4008190203436 | Weidmueller, white |
| Qty. | 1000 ST | |

### Custom printing

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.
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#### General ordering data

| | | |
|---|---|---|
| Type | DEK 5/6 MC SDR | Version |
| Order No. | 1609830000 | Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00 |
| GTIN (EAN) | 4008190456603 | Weidmueller, To customer specification |
| Qty. | 200 ST | |

# AST 3/35 6.3/2.8

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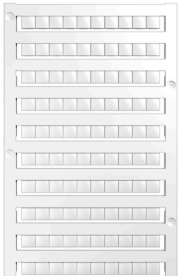
## Accessories

### Blank



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### General ordering data

| | | |
|---|---|---|
| Type | DEK 5/6 MC NE BL | Version |
| Order No. | 1238290000 | Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00 |
| GTIN (EAN) | 4050118267327 | Weidmueller, blue |
| Qty. | 1000 ST | |
| Type | DEK 5/6 MC NE BR | Version |
| Order No. | 1454900000 | Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00 |
| GTIN (EAN) | 4050118323313 | Weidmueller, brown |
| Qty. | 1000 ST | |
| Type | DEK 5/6 MC NE GE | Version |
| Order No. | 1238280000 | Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00 |
| GTIN (EAN) | 4050118038750 | Weidmueller, yellow |
| Qty. | 1000 ST | |
| Type | DEK 5/6 MC NE GN | Version |
| Order No. | 1238310000 | Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00 |
| GTIN (EAN) | 4050118271812 | Weidmueller, green |
| Qty. | 1000 ST | |
| Type | DEK 5/6 MC NE GR | Version |
| Order No. | 1238330000 | Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00 |
| GTIN (EAN) | 4050118323306 | Weidmueller, grey |
| Qty. | 1000 ST | |
| Type | DEK 5/6 MC NE OR | Version |
| Order No. | 1912090000 | Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00 |
| GTIN (EAN) | 4032248540525 | Weidmueller, orange |
| Qty. | 1000 ST | |

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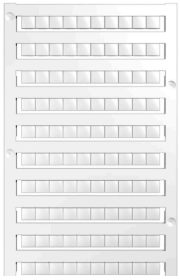
# Accessories

## Plus



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 5/6 PLUS MC NE WS | Version |
| Order No. | 1011320000 | Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00 |
| GTIN (EAN) | 4032248717644 | Weidmueller, white |
| Qty. | 1000 ST | |

## Custom printing

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### General ordering data

| | | |
|---|---|---|
| Type | DEK 5/6 PLUS MC SDR | Version |
| Order No. | 1038650000 | Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00 |
| GTIN (EAN) | 4032248767908 | Weidmueller, To customer specification |
| Qty. | 200 ST | |

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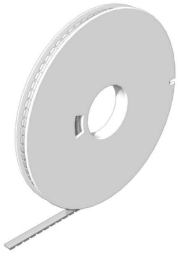
# Accessories

## DEK 5/6

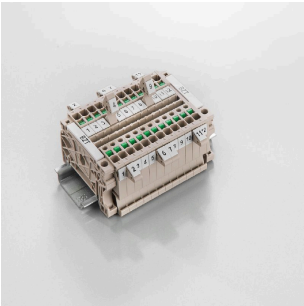


WS/ DEK
MultiMark terminal markers use an innovative composite material made from two components. The hard base contour of the marker snaps securely into the connector. The elastic surface finish makes the marker easy to mount. This specially punched material enables the strips to be stretched to accommodate 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 | DEK 5/6 MM WS | Version |
| Order No. | 2007120000 | Dekafix, Terminal marker, 5 x 6 mm, Weidmueller, white |
| GTIN (EAN) | 4050118392104 | |
| Qty. | 600 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 snaped 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 | |