

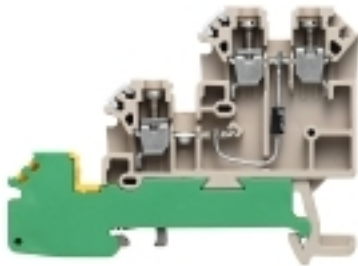
DLA 2.5/D DB**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image**Signal wiring**

Tailored and particularly compact: with our AIO initiator/actuator terminal blocks, you are relying on an application-optimised solution for signal wiring. We also offer you other terminal blocks featuring spring and screw connection technology for signal wiring.

General ordering data

| | |
|------------|--|
| Version | W-Series, Initiator/actuator terminal, Rated cross-section: 2.5 mm ² , Screw connection |
| Order No. | 1783590000 |
| Type | DLA 2.5/D DB |
| GTIN (EAN) | 4032248212460 |
| Qty. | 100 pc(s). |

Creation date March 25, 2021 7:38:43 AM CET

Catalogue status 12.03.2021 / We reserve the right to make technical changes.

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Technical data**Dimensions and weights**

| | | | |
|--------------------------|------------|----------------|------------|
| Depth | 48.5 mm | Depth (inches) | 1.909 inch |
| Depth including DIN rail | 49 mm | Height | 66 mm |
| Height (inches) | 2.598 inch | Net weight | 14.4 g |
| Width | 6.1 mm | Width (inches) | 0.24 inch |

Temperatures

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

Material data

| | | | |
|---------------------------|-------|--------|------------|
| Material | Wemid | Colour | dark beige |
| UL 94 flammability rating | V-0 | | |

System specifications

| | | | |
|-------------------------------------|--|-------------------------------|-----|
| Version | Screw connection, With PE connection, with diode | End cover plate required | Yes |
| Number of potentials | 2 | Number of levels | 3 |
| Number of clamping points per level | 2 | Number of potentials per tier | 1 |
| Levels cross-connected internally | Yes | PE connection | Yes |
| Rail | TS 35 | N-function | No |
| PE function | Yes | PEN function | No |

Additional technical data

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

CSA rating data

| | | | |
|-------------------------------|-----------|-------------------------------|--------|
| Certificate No. (CSA) | 12400-280 | Current size D (CSA) | 10 A |
| Voltage size D (CSA) | 300 V | Wire cross section max. (CSA) | 12 AWG |
| Wire cross section min. (CSA) | 26 AWG | | |

Conductors for clamping (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max. 2.5 mm²

Conductors for clamping (rated connection)

Blade size 0.6 x 3.5 mm

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Technical data

| | | | | |
|--|--|------------------------------|---------------------|--------|
| Clampable conductor | Connection specification | | Screw connection | |
| | Cross-section for conductor connection | Type | solid, H05(07) V-U | |
| | | min. | 0.5 mm ² | |
| | | max. | 4 mm ² | |
| | | nominal | 2.5 mm ² | |
| | wire end ferrule | Stripping length | min. | 7 mm |
| | | | max. | 7 mm |
| | | | nominal | 7 mm |
| | | Tightening torque | min. | 0.4 Nm |
| | | | max. | 0.6 Nm |
| | | Recommended wire-end ferrule | | |
| | Connection specification | | Screw connection | |
| Cross-section for conductor connection | Type | stranded, H07V-R | | |
| | min. | 1.5 mm ² | | |
| | max. | 4 mm ² | | |
| | nominal | 2.5 mm ² | | |
| wire end ferrule | Stripping length | min. | 7 mm | |
| | | max. | 7 mm | |
| | | nominal | 7 mm | |
| | Tightening torque | min. | 0.4 Nm | |
| | | max. | 0.6 Nm | |
| | Recommended wire-end ferrule | | | |
| Connection specification | | Screw connection | | |
| Cross-section for conductor connection | Type | flexible, H05(07) V-K | | |
| | min. | 0.5 mm ² | | |
| | max. | 4 mm ² | | |
| | nominal | 2.5 mm ² | | |
| wire end ferrule | Stripping length | min. | 7 mm | |
| | | max. | 7 mm | |
| | | nominal | 7 mm | |
| | Tightening torque | min. | 0.4 Nm | |
| | | max. | 0.6 Nm | |
| | Recommended wire-end ferrule | | | |
| Clamping range, max. | 4 mm ² | | | |
| Clamping range, min. | 0.13 mm ² | | | |
| Clamping screw | M 2.5 | | | |
| Connection cross-section, stranded, max. | 4 mm ² | | | |
| Connection cross-section, stranded, min. | 1.5 mm ² | | | |
| Connection direction | on side | | | |
| Gauge to IEC 60947-1 | A3 | | | |
| Number of connections | 3 | | | |
| Stripping length | 7 mm | | | |
| Tightening torque, max. | 0.6 Nm | | | |
| Tightening torque, min. | 0.4 Nm | | | |
| Torque level with DMS electric screwdriver | 1 | | | |
| Type of connection | Screw connection | | | |
| Wire connection cross section AWG, max. | AWG 12 | | | |
| Wire connection cross section AWG, min. | AWG 26 | | | |
| Wire connection cross section, finely stranded, max. | 4 mm ² | | | |

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Technical data

| | |
|---|---------------------|
| 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. | 0.5 mm ² |
|---|---------------------|

| | |
|---|-------------------|
| Wire connection cross-section, solid core, max. | 4 mm ² |
|---|-------------------|

| | |
|---|---------------------|
| Wire connection cross-section, solid core, min. | 0.5 mm ² |
|---|---------------------|

General

| | | | |
|---|--------|---|----------------------|
| Rail | TS 35 | Standards | IEC 60947-7-1 (-7-2) |
| Wire connection cross section AWG, max. | AWG 12 | Wire connection cross section AWG, min. | AWG 26 |

Rating data

| | | | |
|--|---------|---------------------------------|----------------------|
| Power loss in accordance with IEC 60947-7-x | 0.77 W | Rated cross-section | 2.5 mm ² |
| Rated voltage | 250 V | Rated current | 17.5 A |
| Current at maximum wires | 17.5 A | Standards | IEC 60947-7-1 (-7-2) |
| Volume resistance according to IEC 60947-7-x | 1.33 mΩ | Rated impulse withstand voltage | 4 kV |
| Pollution severity | 3 | | |

UL rating data

| | | | |
|---|--------|---|--------|
| Certificate No. (UR) | E60693 | Conductor size Factory wiring max. (UR) | 12 AWG |
| Conductor size Factory wiring min. (UR) | 26 AWG | Conductor size Field wiring max. (UR) | 12 AWG |
| Conductor size Field wiring min. (UR) | 22 AWG | Current size D (UR) | 10 A |
| UL_current_Print | 10 A | UL_voltage_Print | 300 V |
| UL_wire_max_Print | 12 AWG | UL_wire_min_Print | 26 AWG |
| Voltage size D (UR) | 300 V | | |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC000900 | ETIM 7.0 | EC000900 |
| ECLASS 9.0 | 27-14-11-28 | ECLASS 9.1 | 27-14-11-28 |
| ECLASS 10.0 | 27-14-11-28 | ECLASS 11.0 | 27-14-11-28 |

Approvals

Approvals



| | |
|-----------------------|---------|
| ROHS | Conform |
| UL File Number Search | E60693 |

Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | EAC certificate Declaration of Conformity Declaration of Conformity |
| Engineering Data | STEP |
| Engineering Data | EPLAN, WSCAD, Zuken E3.S |
| User Documentation | StorageConditionsTerminalBlocks |

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Data sheet

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Drawings

