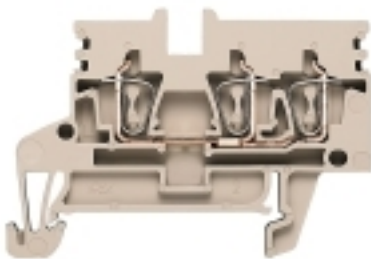


ZDU 2.5N/3AN**Weidmüller Interface GmbH & Co. KG**

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, Tension-clamp connection, 2.5 mm ² , 800 V, 24 A, dark beige
Order No.	1933720000
Type	ZDU 2.5N/3AN
GTIN (EAN)	4032248586752
Qty.	50 pc(s).

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Technical data**Dimensions and weights**

Depth	38.5 mm	Depth (inches)	1.516 inch
Depth including DIN rail	39 mm	Height	56.5 mm
Height (inches)	2.224 inch	Width	5.1 mm
Width (inches)	0.201 inch	Net weight	6.88 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

Material data

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

Rating data IECEx/ATEX

Marking EN 60079-7	Ex eb II C Gb	Ex 2014/34/EU label	II 2 G D
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System specifications

Version	Tension-clamp connection, 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	3	Number of potentials per tier	1
Levels cross-connected internally	No	PE connection	No
Rail	TS 35		

Additional technical data

Explosion-tested version	Yes	Open sides	right
Type of mounting	Snap-on		

CSA rating data

Certificate No. (CSA)	200039-1842498	Current size B (CSA)	24 A
Current size C (CSA)	24 A	Voltage size B (CSA)	300 V
Voltage size C (CSA)	300 V	Wire cross section max. (CSA)	12 AWG
Wire cross section min. (CSA)	30 AWG		

Conductors for clamping (additional connection)

Connection type, additional connection	Tension-clamp connection	Cross-section for connected wire, AWG, additional connection, max.	AWG 12
Cross-section for connected wire, AWG, additional connection, min.	AWG 24		

Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm
Clamping range, max.	4 mm ²
Clamping range, min.	0.05 mm ²
Connection cross-section, stranded, max.	2.5 mm ²

Creation date June 12, 2025 11:30:15 AM CEST

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Technical dataConnection cross-section, stranded, min. 1.5 mm²

Connection direction top

Gauge to IEC 60947-1 A2

Number of connections 3

Stripping length 10 mm

Tube length for wire-end ferrule with plastic collar DIN 46228/4

Cross-section for conductor connection nominal 0.5 mm²

Tube length min. 6 mm

max. 10 mm

Cross-section for conductor connection nominal 0.75 mm²

Tube length min. 6 mm

max. 10 mm

Cross-section for conductor connection nominal 1 mm²

Tube length min. 6 mm

max. 10 mm

Cross-section for conductor connection nominal 1.5 mm²

Tube length min. 8 mm

max. 10 mm

Cross-section for conductor connection nominal 2.5 mm²

Tube length nominal 8 mm

Tube length for wire-end ferrule without plastic collar DIN 46228/1

Cross-section for conductor connection nominal 0.5 mm²

Tube length nominal 10 mm

Cross-section for conductor connection nominal 0.75 mm²

Tube length nominal 10 mm

Cross-section for conductor connection nominal 1 mm²

Tube length nominal 10 mm

Cross-section for conductor connection nominal 1.5 mm²

Tube length nominal 10 mm

Cross-section for conductor connection nominal 2.5 mm²

Tube length nominal 10 mm

Type of connection Tension-clamp connection

Wire connection cross section AWG, max. AWG 12

Wire connection cross section AWG, min. AWG 26

Wire connection cross section, finely stranded, max. 2.5 mm²Wire connection cross section, finely stranded, min. 0.5 mm²Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. 1.5 mm²Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. 0.5 mm²Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. 1.5 mm²Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. 0.5 mm²Wire connection cross-section, solid core, max. 4 mm²Wire connection cross-section, solid core, min. 0.5 mm²**Dimensions**

TS 35 offset 25.5 mm

Creation date June 12, 2025 11:30:15 AM CEST

Catalogue status 07.06.2025 / We reserve the right to make technical changes.

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Technical data**General**

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

Rating data

Rated cross-section	2.5 mm ²	Rated voltage	800 V
Rated DC voltage	800 V	Rated current	24 A
Current at maximum wires	24 A	Standards	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

Certificate No. (cURus)	E60693	Conductor size Factory wiring max. (cURus)	12 AWG
Conductor size Factory wiring min. (cURus)	30 AWG	Conductor size Field wiring max. (cURus)	12 AWG
Conductor size Field wiring min. (cURus)	30 AWG	Current size B (cURus)	20 A
Current size C (cURus)	20 A	Voltage size B (cURus)	300 V
Voltage size C (cURus)	300 V		

Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ETIM 9.0	EC000897
ETIM 10.0	EC000897	ECLASS 9.0	27-14-11-20
ECLASS 9.1	27-14-11-20	ECLASS 10.0	27-14-11-20
ECLASS 11.0	27-14-11-20	ECLASS 12.0	27-14-11-20
ECLASS 13.0	27-25-01-01	ECLASS 14.0	27-25-01-01
ECLASS 15.0	27-25-01-01		

Cradle to gate

0.088 kg CO₂ eq.**Environmental Product Compliance**

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%
Product Carbon Footprint	de.myview.objectmodel.impl.BlockImpl@b2ee6db

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Technical data

Approvals

Approvals



Approvals MAMID

https://mdcop.weidmueller.com/mediadelivery/rendition/900_319217/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319226/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319230/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319234/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319242/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319255/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/

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Certificate No. (cURus)

E60693

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Approval/Certificate/Document of Conformity

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[ATEX Certificate](#)
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[Declaration of Conformity](#)
[UKCA declaration of conformity](#)
[Confirmation of Standards EN 45545-2_2020-10](#)

Engineering Data

[CAD data – STEP](#)

Product Change Notification

[PCN ZDU2.5N 3AN ZPE2.5N 3AN ATEX IECEx change](#)

User Documentation

[StorageConditionsTerminalBlocks](#)
[NTI ZDU/ZPE 2.5N/3AN](#)
[User Manual Z-Series](#)

Catalogues

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Brochures

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Drawings

