



General ordering data

Order No.	1706050000
Part designation	ZDU 2.5-2/3AN OR
Version	Feed-through terminal, 2.5 mm ² , Tension clamp connection, Wemid, Orange, TS 35
EAN	4008190915384
Qty.	100 pc(s).

Product notes

Note, ordering data	The rated voltage is reduced to 400 V when using the cross-connection.
Note, technical data	2.5 mm ² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.
Product description	The compact terminal range for conductor cross-sections 0.13 to 16 mm ²
Note, accessories	The rated voltage is reduced to 250 V when using the shield bus LS 2.8 (1056400000).

PT OKIECEX/ATEX rating data

EU-type examination certificate	KEMA97ATEX4677U
Download, German	KEMA97ATEX4677U_d.pdf
Download English	KEMA97ATEX4677U_e.pdf
IECEX Certificate of Conformity	IECEXULD05.0009U
Download	IECEXULD05.0009U_e.pdf
ATEX voltage	550 V
ATEX current	21 A
ATEX conductor cross-section	2.5 mm ²
IECEX voltage	550 V
IECEX current	20 A
IECEX conductor cross-section	2.5 mm ²
Voltage when using cross-connections	CrossConnectionGuide.pdf
Operating temperature range	Einsatztemperaturbereich siehe EG-Baumusterprüfbescheinigung/IECEX-Certificate of Conformity

PT OKIECEEx/ATEX rating data

Marking EN 60079-7	Ex e II
Marking ATEX Directive 94/9/EC	Ex II 2 G D

Additional technical data

Colour of insulating material	Orange
Connection direction	Inclined / angled
End plate required	Yes
Explosion-tested version "Ex e"	Yes
Installation advice	TS 35
Insulating material	Wemid
Levels cross-connected internally	No
No. of identical terminals	1
No. of levels	1
No. of terminal strips per level	3
Open sides	right
Operating temperature range	- 50 °C, + 100 °C
Product family	Z-series
Type of connection	Tension clamp connection
Type of mounting	Snap-on
UL 94 flammability rating of insulation material	V-0
Version	Feed-through terminal

CSA rating data

Voltage (CSA)	600 V
CSA current	23 A
Min. cross-section (CSA)	AWG 30
Max. cross-section (CSA)	AWG 12

Conductors for clamping (additional connection)

Flexible with ferrule, min. (DIN 46228 pt 1)	0.5 mm ²
Flexible with ferrule, max. (DIN 46228 pt 1)	2.5 mm ²

Conductors for clamping (rated connection)

Clamping range, min.	0.13 mm ²
Clamping range, max.	4 mm ²
Type of connection	Tension clamp connection
2nd type of connection	clamped
Connection direction	Inclined / angled
No. of connections	3
Stripping length	10 mm
Blade size	0.6 x 3.5 mm
Gauge to IEC 60947-1	A2
Solid, min.	0.5 mm ²
Solid, max.	4 mm ²
Flexible, min.	0.5 mm ²
Flexible, max.	2.5 mm ²
Flexible with ferrule, min. (DIN 46228/1)	0.5 mm ²
Flexible with ferrule, max. (DIN 46228/1)	2.5 mm ²
Flexible, min., ferrule with plastic collar (DIN 46228 pt 4)	0.5 mm ²

Conductors for clamping (rated connection)

Flexible, max., ferrule with plastic collar (DIN 46228 pt 4)	1.5 mm ²
AWG conductor size, min.	AWG 26
AWG conductor size, max.	AWG 12
AWG conductor size, min.	0.13 mm ²
AWG conductor size, max.	3.31 mm ²

Dimensions

Width	5.1 mm
Height of lowest version	44 mm
Length	50.5 mm
TS 35 offset	25.5 mm

Rating data

Rated cross-section	2.5 mm ²
Rated voltage	800 V
Rated impulse voltage	8 kV
Rated current	24 A
Standards	IEC 60947-7-1
Current with max. conductor	24 A
Pollution severity	3

UL rating data

Voltage (UL)	600 V
Current (UL)	23 A
Min. cross-section (UL)	AWG 26
Max. cross-section (UL)	AWG 12

Approvals

Approvals institutes

**Classifications**

eClass 4.1	27-14-11-20
eClass 5.0	27-14-11-20
eClass 5.1	27-14-11-20

Similar products

Order No.	Part designation	Version
1790990000	ZDK 2.5-2	Modular terminal, 2.5 mm ² , Tension clamp connection, Wemid, dark beige, TS 35
1791000000	ZDK 2.5-2 BL	Modular terminal, 2.5 mm ² , Tension clamp connection, Wemid, blue, TS 35
1791470000	ZDK 2.5-2 DB+BR	Modular terminal, 2.5 mm ² , Tension clamp connection, Wemid, dark beige, TS 35
1904970000	ZDK 2.5-2/N/L	Modular terminal, 2.5 mm ² , Tension clamp connection, Wemid, beige, TS 35
1791030000	ZDK 2.5-2V	Modular terminal, 2.5 mm ² , Tension clamp connection, Wemid, dark beige, TS 35
1791040000	ZDK 2.5-2V BL	Modular terminal, 2.5 mm ² , Tension clamp connection, Wemid, blue, TS 35
1772060000	ZDU 2.5-2	Feed-through terminal, 2.5 mm ² , Tension clamp connection, Wemid, dark beige, TS 35
1772070000	ZDU 2.5-2 BL	Feed-through terminal, 2.5 mm ² , Tension clamp connection, Wemid, blue, TS 35
1772080000	ZDU 2.5-2 OR	Feed-through terminal, 2.5 mm ² , Tension clamp connection, Wemid, Orange, TS 35
1706010000	ZDU 2.5-2/3AN	Feed-through terminal, 2.5 mm ² , Tension clamp connection, Wemid, dark beige, TS 35
1706040000	ZDU 2.5-2/3AN BL	Feed-through terminal, 2.5 mm ² , Tension clamp connection, Wemid, blue, TS 35
1706060000	ZDU 2.5-2/4AN	Feed-through terminal, 2.5 mm ² , Tension clamp connection, Wemid, dark beige, TS 35
1706070000	ZDU 2.5-2/4AN BL	Feed-through terminal, 2.5 mm ² , Tension clamp connection, Wemid, blue, TS 35
1706080000	ZDU 2.5-2/4AN OR	Feed-through terminal, 2.5 mm ² , Tension clamp connection, Wemid, Orange, TS 35