

## Excellent Integrated System Limited

Stocking Distributor

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[Weidmüller](#)  
[1771430000](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)



#### General ordering data

Order No.	1771430000
Part designation	ZDU 6-2/3AN OR
Version	Feed-through terminal, 6 mm <sup>2</sup> , Tension clamp connection, Wemid, Orange, TS 35
EAN	4032248143160
Qty.	50 pc(s).

#### Product notes

Note, ordering data	The rated voltage is reduced to 400 V when using the cross-connection.
Product description	The compact terminal range for conductor cross-sections 0.13 to 16 mm <sup>2</sup>

#### PT OKIECEEx/ATEX rating data

EU-type examination certificate	KEMA97ATEX4677U
Download, German	KEMA97ATEX4677U_d.pdf
Download English	KEMA97ATEX4677U_e.pdf
ATEX voltage	550 V
ATEX current	36 A
ATEX conductor cross-section	6 mm <sup>2</sup>
Voltage when using cross-connections	CrossConnectionGuide.pdf
Operating temperature range	Einsatztemperaturbereich siehe EG-Baumusterprüfbescheinigung/IECEX-Certificate of Conformity
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"	No
Installation advice	TS 35
Insulating material	Wemid

**Additional technical data**

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	Clamped
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	50 A
Min. cross-section (CSA)	AWG 20
Max. cross-section (CSA)	AWG 8

**Conductors for clamping (rated connection)**

Clamping range, min.	0.22 mm <sup>2</sup>
Clamping range, max.	10 mm <sup>2</sup>
Type of connection	Tension clamp connection
2nd type of connection	clamped
Connection direction	Inclined / angled
No. of connections	3
Stripping length	12 mm
Blade size	0.6 x 3.5 mm
Gauge to IEC 60947-1	A5
Solid, min.	0.5 mm <sup>2</sup>
Solid, max.	10 mm <sup>2</sup>
Flexible, min.	0.5 mm <sup>2</sup>
Flexible, max.	10 mm <sup>2</sup>
Flexible with ferrule, min. (DIN 46228/1)	0.5 mm <sup>2</sup>
Flexible with ferrule, max. (DIN 46228/1)	6 mm <sup>2</sup>
Flexible, min., ferrule with plastic collar (DIN 46228 pt 4)	0.5 mm <sup>2</sup>
Flexible, max., ferrule with plastic collar (DIN 46228 pt 4)	6 mm <sup>2</sup>
Twin wire-end ferrule, min.	0.5 mm <sup>2</sup>
Twin wire end ferrule, max.	2.5 mm <sup>2</sup>
AWG conductor size, min.	AWG 22
AWG conductor size, max.	AWG 8
AWG conductor size, min.	0.33 mm <sup>2</sup>
AWG conductor size, max.	8.37 mm <sup>2</sup>

**Dimensions**

Width	8.1 mm
Height of lowest version	50 mm
Length	68 mm
TS 35 offset	21.5 mm

**Rating data**

Rated cross-section	6 mm <sup>2</sup>
Rated voltage	800 V
Rated impulse voltage	8 kV
Rated current	41 A
Standards	IEC 60947-7-1
Current with max. conductor	41 A
Pollution severity	3

**UL rating data**

Voltage (UL)	600 V
Current (UL)	45 A
Min. cross-section (UL)	AWG 22
Max. cross-section (UL)	AWG 8

**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
1771380000	ZDU 6-2/2AN	Feed-through terminal, 6 mm <sup>2</sup> , Tension clamp connection, Wemid, dark beige, TS 35
1771390000	ZDU 6-2/2AN BL	Feed-through terminal, 6 mm <sup>2</sup> , Tension clamp connection, Wemid, blue, TS 35
1771410000	ZDU 6-2/3AN	Feed-through terminal, 6 mm <sup>2</sup> , Tension clamp connection, Wemid, dark beige, TS 35
1771420000	ZDU 6-2/3AN BL	Feed-through terminal, 6 mm <sup>2</sup> , Tension clamp connection, Wemid, blue, TS 35