

## Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Weidmüller](#)  
[1020080000](#)

For any questions, you can email us directly:

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

**General ordering data**

Order No.	1020020000
Part designation	WDU 2.5 GE
Version	Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, Wemid, yellow, TS 35
EAN	4008190171131
Qty.	100 pc(s).

**Product notes**

Note, ordering data	Rated voltage 400V when using cross-connection ZQV. See section "W-series accessories" for colours available.
Note, technical data	2.5 mm <sup>2</sup> conductor with wire end ferrule plus plastic collar only with collar optimised for diameter (order No. 1333100000, 500 pcs)
Product description	Their small size compared to the respective rated cross-section makes the modular terminals with the compact design very popular.
Note, accessories	Socket and test plug, see section "W Series accessories". Ensure 2.5 mm <sup>2</sup> max. when using the WQB. Shielding rail LS 2.8 1056400000.

**PT OKIECEEx/ATEX rating data**

EU-type examination certificate	KEMA98ATEX1683U
Download, German	KEMA98ATEX1683U_d.pdf
Download English	KEMA98ATEX1683U_e.pdf
IECEEx Certificate of Conformity	IECEXULD05.0008U
Download	IECEXULD05.0008U_e.pdf
ATEX voltage	550 V
ATEX current	21 A
ATEX conductor cross-section	2.5 mm <sup>2</sup>
IECEEx voltage	550 V
IECEEx current	20 A
IECEEx conductor cross-section	2.5 mm <sup>2</sup>
Voltage when using cross-connections	CrossConnectionGuide.pdf
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
Marking EN 60079-7	Ex e II
Marking ATEX Directive 94/9/EC	Ex II 2 G D

**2 clampable conductors (H05V/H07V) with equal cross-section (rated connection)**

Solid, min.	0.5 mm <sup>2</sup>
Solid, max.	1.5 mm <sup>2</sup>
Flexible, min.	0.5 mm <sup>2</sup>
Flexible, max.	1.5 mm <sup>2</sup>
Flexible with ferrule, min. (DIN 46228 pt 1)	0.5 mm <sup>2</sup>
Flexible with ferrule, max. (DIN 46228 pt 1)	1.5 mm <sup>2</sup>

**Additional technical data**

Colour of insulating material	yellow
Connection direction	on side

**Additional technical data**

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	2
Open sides	right
Operating temperature range	- 50 °C, + 120 °C
Product family	W-Series
Type of connection	Screwed
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	20 A
Min. cross-section (CSA)	AWG 26
Max. cross-section (CSA)	AWG 12

**Conductors for clamping (rated connection)**

Clamping range, min.	0.05 mm <sup>2</sup>
Clamping range, max.	4 mm <sup>2</sup>
Type of connection	Screw connection
2nd type of connection	screwed
Connection direction	on side
No. of connections	2
Stripping length	10 mm
Clamping screw	M 2.5
Blade size	0.6 x 3.5 mm
Tightening torque range	0.4...0.8 Nm
Torque level with DMS electric screwdriver	1
Gauge to IEC 60947-1	A3
Solid, min.	0.5 mm <sup>2</sup>
Solid, max.	4 mm <sup>2</sup>
Stranded, min.	1.5 mm <sup>2</sup>
Stranded, max.	4 mm <sup>2</sup>
Flexible, min.	0.5 mm <sup>2</sup>
Flexible, max.	4 mm <sup>2</sup>
Flexible with ferrule, min. (DIN 46228/1)	0.5 mm <sup>2</sup>
Flexible with ferrule, max. (DIN 46228/1)	2.5 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)	2.5 mm <sup>2</sup>
Twin wire-end ferrule, min.	0.5 mm <sup>2</sup>
Twin wire end ferrule, max.	1.5 mm <sup>2</sup>
AWG conductor size, min.	AWG 30
AWG conductor size, max.	AWG 12

**Conductors for clamping (rated connection)**

AWG conductor size, min.	0.05 mm <sup>2</sup>
AWG conductor size, max.	3.31 mm <sup>2</sup>

**Dimensions**

Width	5.1 mm
Height of lowest version	47 mm
Length	60 mm
Weight	8.62 g
TS 35 offset	32 mm

**Disconnect terminals**

Torque level with DMS electric screwdriver	1
--	---

**Rating data**

Rated cross-section	2.5 mm <sup>2</sup>
Rated voltage	800 V
Rated impulse voltage	8 kV
Rated current	24 A
Standards	IEC 60947-7-1
Current with max. conductor	32 A
Pollution severity	3

**UL rating data**

Voltage (UL)	600 V
Current (UL)	25 A
Min. cross-section (UL)	AWG 30
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
1020000000	WDU 2.5	Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, Wemid, dark beige, TS 35
1020080000	WDU 2.5 BL	Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, Wemid, blue, TS 35
1020090000	WDU 2.5 GN	Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, Wemid, green, TS 35
1020010000	WDU 2.5 SW	Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, Wemid, black, TS 35
1037720000	WDU 2.5 GR	Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, Wemid, grey, TS 35
1037700000	WDU 2.5 PA/VI	Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, PA 66, violet, TS 35
1036800000	WDU 2.5 WS	Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, Wemid, white, TS 35
1020700000	WDU 2.5/10 BEZ	Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, Wemid, dark beige, TS 35
1020800000	WDU 2.5/10 BEZ/NE	Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, Wemid, dark beige, TS 35
1020050000	WDU 2.5 WAP/GG	Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, Wemid, green/yellow, TS 35
1024700000	WDU 2.5/1.5/ZR	Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, Wemid, dark beige, TS 35
1024780000	WDU 2.5/1.5/ZR BL	Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, Wemid, blue, TS 35