



#### General ordering data

Order No.	1021580000
Part designation	WDK 2.5 BL
Version	Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, Wemid, blue, TS 35
EAN	4008190038991
Qty.	100 pc(s).

#### Product notes

Note, ordering data	For colours available see section W-series accessories "Specific functions"
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	Test plug and socket, see "W-Series Accessories" section Note the 2.5 mm <sup>2</sup> max. when using the WQB.

#### PT OKIECEEx/ATEX rating data

EU-type examination certificate	KEMA98ATEX1687U
Download, German	KEMA98ATEX1687U_d.pdf
Download English	KEMA98ATEX1687U_e.pdf
IECEX Certificate of Conformity	IECEXULD05.0008U
Download	IECEXULD05.0008U_e.pdf
ATEX voltage	275 V
ATEX current	21 A
ATEX conductor cross-section	2.5 mm <sup>2</sup>
IECEX voltage	275 V
IECEX current	20 A
IECEX conductor cross-section	2.5 mm <sup>2</sup>
Voltage when using cross-connections	CrossConnectionGuide.pdf

**PT OKIECEx/ATEX rating data**

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	blue
Connection direction	on side
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	2
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	Double terminal

**CSA rating data**

Voltage (CSA)	300 V
CSA current	10 A
Min. cross-section (CSA)	AWG 26
Max. cross-section (CSA)	AWG 12

**Conductors for clamping (additional connection)**

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

**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	4

**Conductors for clamping (rated connection)**

Stripping length	10 mm
Clamping screw	M 2.5
Blade size	0.6 x 3.5 mm
Tightening torque range	0.4...0.6 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>
AWG conductor size, min.	AWG 30
AWG conductor size, max.	AWG 12
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	63 mm
Length	69 mm
Weight	13.1 g
TS 35 offset	35.5 mm

**Disconnect terminals**

Torque level with DMS electric screwdriver	1
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**Rating data**

Rated cross-section	2.5 mm <sup>2</sup>
Rated voltage	400 V
Rated impulse voltage	6 kV
Rated current	24 A
Standards	IEC 60947-7-1
Current with max. conductor	32 A
Pollution severity	3

**UL rating data**

Voltage (UL)	300 V
Current (UL)	20 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
1021500000	WDK 2.5	Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, Wemid, dark beige, TS 35
1029100000	WDK 2.5/800V	Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, Wemid, beige, TS 35
1036400000	WDK 2.5DU-PE	Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, Wemid, dark beige, TS 35
1041100000	WDK 2.5 ZQV	Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, Wemid, dark beige, TS 35
1041180000	WDK 2.5 ZQV BL	Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, Wemid, blue, TS 35
1022300000	WDK 2.5V	Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, Wemid, dark beige, TS 35
1022380000	WDK 2.5V BL	Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, Wemid, blue, TS 35