

#### General ordering data

Order No.	1020110000
Part designation	WDU 4 SW
Version	Feed-through terminal, 4 mm <sup>2</sup> , Screw connection, Wemid, black, TS 35
EAN	4008190297718
Qty	100 pc(s).

#### Product notes

Note, technical data	Note max. current of terminal (41 A) when using WQV!
Note, accessories	Socket and test plug, see section "W Series accessories". Shielding rail LS 2.8 1056400000.
Note, ordering data	Rated voltage 400V when using cross-connection ZQVSee section "W-series accessories" for colours available.
Product description	Their small size compared to the respective rated cross-section makes the modular terminals with the compact design very popular.
Function	

#### PT OKIECEEx/ATEX rating data

Certificate No.	KEMA98ATEX1683U
ATEX certificate	KEMA98ATEX1683U_d.pdf
Download English	KEMA98ATEX1683U_e.pdf
Certificate No.	IECEXULD05.0008U
IEC Ex certificate	IECEXULD05.0008U_e.pdf
max. voltage	690 V
Current	28 A
Conductor cross-section, max.	4 mm <sup>2</sup>
max. voltage	690 V
Current	28 A
Conductor cross-section, max.	4 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

#### Additional technical data

Colour of insulating material	black
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	1
No. of terminal strips per level	2
Open sides	right
Operating temperature range	- 50 °C, + 120 °C

#### Additional technical data

Product range	W-Series
Type of connection	screwed
Type of mouting	clipped
UL 94 flammability rating of insulation material	V-0
Version	Feed-through terminal

#### CSA rating data

Voltage CSA	600 V
CSA current	35 A
Min. cross-section (CSA)	AWG 26
Max. cross-section (CSA)	AWG 10

#### Conductors for clamping (1) with equal cross-section (rated connection)

Solid, min.	0.5 mm <sup>2</sup>
Solid, max.	2.5 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>

#### 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)	4 mm <sup>2</sup>

#### Conductors for clamping (rated connection)

Clamping range, min.	0.13 mm <sup>2</sup>
Clamping range, max.	6 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	M3
Blade size	0.6 x 3.5 mm
Tightening torque range	0.5...1.0 Nm
Torque level with DMS electric screwdriver	2
Gauge to IEC 60947-1	A4
Solid, min.	0.5 mm <sup>2</sup>
Solid, max.	6 mm <sup>2</sup>
Stranded, min.	1.5 mm <sup>2</sup>
Stranded, max.	6 mm <sup>2</sup>
Flexible, min.	0.5 mm <sup>2</sup>
Flexible, max.	6 mm <sup>2</sup>
flexible w. ferrule AEH, min. DIN 46228-1	0.5 mm <sup>2</sup>
flexible w. ferrule AEH, max. DIN 46228-1	4 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)	4 mm <sup>2</sup>

### Conductors for clamping (rated connection)

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 26
AWG conductor size, max.	AWG 10
AWG conductor size, min.	0.13 mm <sup>2</sup>
AWG conductor size, max.	5.26 mm <sup>2</sup>

### Dimensions

Width	6.1 mm
Height of lowest version	47 mm
Length	60 mm
Weight	10.4 g
TS 35 offset	32 mm

### Disconnect terminals

Torque level with DMS electric screwdriver	2
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### Rating data

Rated cross-section	4 mm <sup>2</sup>
Rated voltage	800 V
Rated impulse withstand voltage	8 kV
Rated current	32 A
Norm	IEC 60947-7-1
Current with max. conductor	41 A
Pollution severity	3

### UL rating data

Voltage UL	600 V
Current (UL)	35 A
Min. cross-section (UL)	AWG 22
Max. cross-section (UL)	AWG 10

### Approvals

Approval body



### Classifications

ETIM 2.0	EC000897
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### Classifications

ETIM 3.0	EC000897
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
1020100000	WDU 4	Feed-through terminal, 4 mm <sup>2</sup> , Screw connection, Wemid, dark beige, TS 35
1036700000	WDU 4 WS	Feed-through terminal, 4 mm <sup>2</sup> , Screw connection, Wemid, white, TS 35
1021000000	WDU 4/10	Feed-through terminal, 4 mm <sup>2</sup> , Screw connection, Wemid, dark beige, TS 35
1020900000	WDU 4/10/BEZ	Feed-through terminal, 4 mm <sup>2</sup> , Screw connection, Wemid, dark beige, TS 35
1905060000	WDU 4/ZZ	Feed-through terminal, 4 mm <sup>2</sup> , Screw connection, Wemid, dark beige, TS 35
1905140000	WDU 4/ZR	Feed-through terminal, 4 mm <sup>2</sup> , Screw connection, Wemid, dark beige, TS 35
1020180000	WDU 4 BL	Feed-through terminal, 4 mm <sup>2</sup> , Screw connection, Wemid, blue, TS 35
1037810000	WDU 4 BR	Feed-through terminal, 4 mm <sup>2</sup> , Screw connection, Wemid, brown, TS 35
1037800000	WDU 4 GR	Feed-through terminal, 4 mm <sup>2</sup> , Screw connection, Wemid, grey, TS 35
1020160000	WDU 4 GN	Feed-through terminal, 4 mm <sup>2</sup> , Screw connection, Wemid, green, TS 35
1020140000	WDU 4 RT	Feed-through terminal, 4 mm <sup>2</sup> , Screw connection, Wemid, red, TS 35
1036760000	WDU 4 OR	Feed-through terminal, 4 mm <sup>2</sup> , Screw connection, Polyamide, orange, TS 35
1020120000	WDU 4 GE	Feed-through terminal, 4 mm <sup>2</sup> , Screw connection, Wemid, yellow, TS 35
1020110000	WDU 4 SW	Feed-through terminal, 4 mm <sup>2</sup> , Screw connection, Wemid, black, TS 35