



#### General ordering data

Order No.	1010500000
Part designation	WPE 35
Version	Earth terminal, 35 mm <sup>2</sup> , Screw connection, Wemid, green/yellow, TS 35
EAN	4008190112806
Qty.	25 pc(s).

#### Product notes

Note, technical data	The tightening torque is 4.5 Nm for 16 - 50 mm <sup>2</sup> and AWG 6 - 2/7 stranded conductors. Use the TS 35x15 (1.5 mm thick) for 25mm <sup>2</sup> conductors and the TS 35x15 (2.3 mm thick) for 35mm <sup>2</sup> and 50mm <sup>2</sup> conductors.
Product description	Their small size compared to the respective rated cross-section makes the modular terminals with the compact design very popular.
Note, accessories	Rail support for insulated installation of terminal rail "SH 2" order no. 0494920000 (10 pcs)

#### PT OKIECEx/ATEX rating data

EU-type examination certificate	KEMA98ATEX1683U
Download, German	KEMA98ATEX1683U_d.pdf
Download English	KEMA98ATEX1683U_e.pdf
IECEx Certificate of Conformity	IECExULD05.0008U
Download	IECExULD05.0008U_e.pdf
ATEX conductor cross-section	35 mm <sup>2</sup>
IECEx conductor cross-section	35 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	green/yellow
Connection direction	on side
End plate required	No
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	closed
Operating temperature range	- 50 °C, + 120 °C
Product family	W-Series
Type of connection	Screwed
Type of mounting	Screwed
UL 94 flammability rating of insulation material	V-0
Version	PE terminal

#### CSA rating data

Min. cross-section (CSA)	AWG 12
Max. cross-section (CSA)	AWG 2

#### Conductors for clamping (rated connection)

Clamping range, min.	2.5 mm <sup>2</sup>
Clamping range, max.	50 mm <sup>2</sup>
Type of connection	Screw connection
2nd type of connection	screwed
Connection direction	on side
No. of connections	2
Stripping length	18 mm
Clamping screw	M 6
Blade size	6.5 x 1.2 mm
Tightening torque range	4.0...5.0 Nm
Gauge to IEC 60947-1	B8
Solid, min.	2.5 mm <sup>2</sup>
Solid, max.	16 mm <sup>2</sup>
Stranded, min.	2.5 mm <sup>2</sup>
Stranded, max.	50 mm <sup>2</sup>
Flexible, min.	2.5 mm <sup>2</sup>
Flexible, max.	35 mm <sup>2</sup>
Flexible with ferrule, min. (DIN 46228/1)	2.5 mm <sup>2</sup>
Flexible with ferrule, max. (DIN 46228/1)	35 mm <sup>2</sup>
Flexible, min., ferrule with plastic collar (DIN 46228 pt 4)	2.5 mm <sup>2</sup>
Flexible, max., ferrule with plastic collar (DIN 46228 pt 4)	35 mm <sup>2</sup>
AWG conductor size, min.	AWG 12
AWG conductor size, max.	AWG 2
AWG conductor size, min.	3.31 mm <sup>2</sup>
AWG conductor size, max.	33.62 mm <sup>2</sup>

#### Dimensions

Width	16 mm
Height of lowest version	63 mm
Length	56 mm
Weight	82.84 g
TS 35 offset	28 mm

#### PE rating data

Centre screw on PE terminals	M 4
PEN function	Yes
Pollution severity	3
Rated cross-section	35 mm <sup>2</sup>
Rated impulse withstand voltage to adjacent terminal	8 kV
Rated short-time current	4200 A (35 mm <sup>2</sup> )
Rated voltage for adjacent terminal	800 V
Standards	IEC 60947-7-2
Tightening torque range for fixing screw	1.2...2.4 Nm

#### UL rating data

Min. cross-section (UL)	AWG 12
Max. cross-section (UL)	AWG 1

#### Approvals

Approvals institutes



#### Downloads

STEP	1010500000_09238_WPE_35_STP.stp
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#### Classifications

eClass 4.1	27-14-03-05
eClass 5.0	27-14-03-05
eClass 5.1	27-14-03-05

#### Similar products

Order No.	Part designation	Version
1016500000	WPE 1.5/ZZ	Earth terminal, 1.5 mm <sup>2</sup> , Screw connection, Wemid, green/yellow, TS 35
1036300000	WDK 2.5PE	Earth terminal, 2.5 mm <sup>2</sup> , Screw connection, Wemid, green, TS 35
1010000000	WPE 2.5	Earth terminal, 2.5 mm <sup>2</sup> , Screw connection, Wemid, green/yellow, TS 35
1016400000	WPE 2.5/1.5/ZR	Earth terminal, 2.5 mm <sup>2</sup> , Screw connection, Wemid, green/yellow, TS 35
1010100000	WPE 4	Earth terminal, 4 mm <sup>2</sup> , Screw connection, Wemid, green/yellow, TS 35
1905130000	WPE 4/ZZ	Earth terminal, 4 mm <sup>2</sup> , Screw connection, Wemid, green/yellow, TS 35
1905120000	WPE 4/ZR	Earth terminal, 4 mm <sup>2</sup> , Screw connection, Wemid, green/yellow, TS 35
1010200000	WPE 6	Earth terminal, 6 mm <sup>2</sup> , Screw connection, Wemid, green/yellow, TS 35
1010300000	WPE 10	Earth terminal, 10 mm <sup>2</sup> , Screw connection, Wemid, green/yellow, TS 35
1042500000	WPE 10/ZR	Earth terminal, 10 mm <sup>2</sup> , Screw connection, Wemid, green/yellow, TS 35
1010400000	WPE 16	Earth terminal, 16 mm <sup>2</sup> , Screw connection, Wemid, green/yellow, TS 35
1037300000	WPE 70/95	Earth terminal, 95 mm <sup>2</sup> , Screw connection, Wemid, green/yellow, TS 35
1019700000	WPE 120/150	Earth terminal, 120 mm <sup>2</sup> , Screw connection, Wemid, green/yellow, TS 35