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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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General ordering data

Order No.	1010400000
Part designation	WPE 16
Version	Earth terminal, 16 mm ² , Screw connection, Wemid, green/yellow, TS 35
EAN	4008190126674
Qty.	50 pc(s).

Product notes

Note, technical data	For 25mm ² , the TS 35x15 (steel, 1.5mm thick) should be used. Conductor connection H07V-..16 and AWG 6 with tightening torque of 2.0-2.4 Nm.
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 OKIECEEx/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	16 mm ²
IECEX conductor cross-section	16 mm ²
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

Additional technical data

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 14
Max. cross-section (CSA)	AWG 6

Conductors for clamping (rated connection)

Clamping range, min.	1.5 mm ²
Clamping range, max.	25 mm ²
Type of connection	Screw connection
2nd type of connection	screwed
Connection direction	on side
No. of connections	2
Stripping length	16 mm
Clamping screw	M 5
Blade size	1.0 x 5.5 mm
Tightening torque range	3.0...4.0 Nm
Gauge to IEC 60947-1	B7
Solid, min.	1.5 mm ²
Solid, max.	16 mm ²
Stranded, min.	1.5 mm ²
Stranded, max.	25 mm ²
Flexible, min.	1.5 mm ²
Flexible, max.	25 mm ²
Flexible with ferrule, min. (DIN 46228/1)	1.5 mm ²
Flexible with ferrule, max. (DIN 46228/1)	16 mm ²
Flexible, min., ferrule with plastic collar (DIN 46228 pt 4)	1.5 mm ²
Flexible, max., ferrule with plastic collar (DIN 46228 pt 4)	16 mm ²
AWG conductor size, min.	AWG 14
AWG conductor size, max.	AWG 6
AWG conductor size, min.	2.08 mm ²
AWG conductor size, max.	13.3 mm ²

Dimensions

Width	11.9 mm
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Dimensions

Height of lowest version	63 mm
Length	56 mm
TS 35 offset	28 mm

PE rating data

Centre screw on PE terminals	M 4
PEN function	Yes
Pollution severity	3
Rated cross-section	16 mm ²
Rated impulse withstand voltage to adjacent terminal	8 kV
Rated short-time current	1920 A (16 mm ²)
Rated voltage for adjacent terminal	1,000 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 14
Max. cross-section (UL)	AWG 4

Approvals

Approvals institutes



Downloads

STEP	1010400000_09237_WPE_16_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
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1016500000	WPE 1.5/ZZ	Earth terminal, 1.5 mm ² , Screw connection, Wemid, green/yellow, TS 35
1036300000	WDK 2.5PE	Earth terminal, 2.5 mm ² , Screw connection, Wemid, green, TS 35
1010000000	WPE 2.5	Earth terminal, 2.5 mm ² , Screw connection, Wemid, green/yellow, TS 35
1016400000	WPE 2.5/1.5/ZR	Earth terminal, 2.5 mm ² , Screw connection, Wemid, green/yellow, TS 35
1010100000	WPE 4	Earth terminal, 4 mm ² , Screw connection, Wemid, green/yellow, TS 35
1905130000	WPE 4/ZZ	Earth terminal, 4 mm ² , Screw connection, Wemid, green/yellow, TS 35
1905120000	WPE 4/ZR	Earth terminal, 4 mm ² , Screw connection, Wemid, green/yellow, TS 35
1010200000	WPE 6	Earth terminal, 6 mm ² , Screw connection, Wemid, green/yellow, TS 35
1010300000	WPE 10	Earth terminal, 10 mm ² , Screw connection, Wemid, green/yellow, TS 35
1042500000	WPE 10/ZR	Earth terminal, 10 mm ² , Screw connection, Wemid, green/yellow, TS 35
1010500000	WPE 35	Earth terminal, 35 mm ² , Screw connection, Wemid, green/yellow, TS 35
1037300000	WPE 70/95	Earth terminal, 95 mm ² , Screw connection, Wemid, green/yellow, TS 35
1019700000	WPE 120/150	Earth terminal, 120 mm ² , Screw connection, Wemid, green/yellow, TS 35