



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

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.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



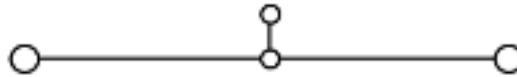
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#### General ordering data

Order No.	1020480000
Part designation	WDU 16 BL
Version	Feed-through terminal, 16 mm <sup>2</sup> , Screw connection, Wemid, blue, TS 35
EAN	4008190126261
Qty.	50 pc(s).

#### Product notes

Note, ordering data	
Note, technical data	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	Socket and test plug, see section "W-series accessories"

#### 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	690 V
ATEX current	66 A
ATEX conductor cross-section	16 mm <sup>2</sup>
IECEEx voltage	690 V
IECEEx current	63 A
IECEEx conductor cross-section	16 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

#### PT OKIECEX/ATEX rating data

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

Solid, min.	1.5 mm <sup>2</sup>
Solid, max.	6 mm <sup>2</sup>
Flexible, min.	1.5 mm <sup>2</sup>
Flexible, max.	6 mm <sup>2</sup>
Flexible with ferrule, min. (DIN 46228 pt 1)	1.5 mm <sup>2</sup>
Flexible with ferrule, max. (DIN 46228 pt 1)	6 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	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	85 A
Min. cross-section (CSA)	AWG 14
Max. cross-section (CSA)	AWG 6

##### Conductors for clamping (rated connection)

Clamping range, min.	0.82 mm <sup>2</sup>
Clamping range, max.	25 mm <sup>2</sup>
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 <sup>2</sup>
Solid, max.	16 mm <sup>2</sup>
Stranded, min.	1.5 mm <sup>2</sup>
Stranded, max.	25 mm <sup>2</sup>

#### Conductors for clamping (rated connection)

Flexible, min.	1.5 mm <sup>2</sup>
Flexible, max.	25 mm <sup>2</sup>
Flexible with ferrule, min. (DIN 46228/1)	1.5 mm <sup>2</sup>
Flexible with ferrule, max. (DIN 46228/1)	16 mm <sup>2</sup>
Flexible, min., ferrule with plastic collar (DIN 46228 pt 4)	1.5 mm <sup>2</sup>
Flexible, max., ferrule with plastic collar (DIN 46228 pt 4)	16 mm <sup>2</sup>
Twin wire-end ferrule, min.	1.5 mm <sup>2</sup>
Twin wire end ferrule, max.	10 mm <sup>2</sup>
AWG conductor size, min.	AWG 14
AWG conductor size, max.	AWG 6
AWG conductor size, min.	2.08 mm <sup>2</sup>
AWG conductor size, max.	13.3 mm <sup>2</sup>

#### Dimensions

Width	11.9 mm
Height of lowest version	63 mm
Length	60 mm
Weight	31.2 g
TS 35 offset	32 mm

#### Rating data

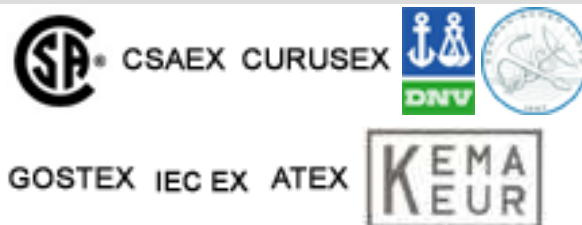
Rated cross-section	16 mm <sup>2</sup>
Rated voltage	1,000 V
Rated impulse voltage	8 kV
Rated current	76 A
Standards	IEC 60947-7-1
Current with max. conductor	101 A
Pollution severity	3

#### UL rating data

Voltage (UL)	600 V
Current (UL)	85 A
Min. cross-section (UL)	AWG 18
Max. cross-section (UL)	AWG 4

#### Approvals

Approvals institutes



### Approvals



### 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
1020400000	WDU 16	Feed-through terminal, 16 mm <sup>2</sup> , Screw connection, Wemid, dark beige, TS 35
1020450000	WDU 16 GN WAP GE	Feed-through terminal, 16 mm <sup>2</sup> , Screw connection, Wemid, green, TS 35
1028900000	WDU 16/ZA	Feed-through terminal, 16 mm <sup>2</sup> , Screw connection, Wemid, dark beige, TS 35
1028980000	WDU 16/ZA BL	Feed-through terminal, 16 mm <sup>2</sup> , Screw connection, Wemid, blue, TS 35