



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!



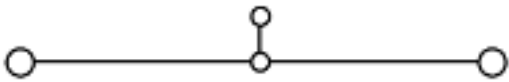
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#### General ordering data

Order No.	1020500000
Part designation	WDU 35
Version	Feed-through terminal, 35 mm <sup>2</sup> , Screw connection, Wemid, dark beige, TS 35
EAN	4008190077013
Qty.	40 pc(s).

#### Product notes

Note, ordering data	
Note, technical data	The tightening torque is 4.5 Nm for 16 - 50 mm <sup>2</sup> and AWG 6 - 2/7 stranded conductors. Copper straps can be used; possible connections: 3 to 9 layers 9 x 0.8 mm.
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	109 A
ATEX conductor cross-section	35 mm <sup>2</sup>
IECEEx voltage	690 V
IECEEx current	109 A
IECEEx 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

#### PT OKIECEEx/ATEX rating data

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.	2.5 mm <sup>2</sup>
Solid, max.	10 mm <sup>2</sup>
Stranded, min.	16 mm <sup>2</sup>
Stranded, max.	16 mm <sup>2</sup>
Flexible, min.	2.5 mm <sup>2</sup>
Flexible, max.	16 mm <sup>2</sup>
Flexible with ferrule, min. (DIN 46228 pt 1)	2.5 mm <sup>2</sup>
Flexible with ferrule, max. (DIN 46228 pt 1)	16 mm <sup>2</sup>

#### Additional technical data

Colour of insulating material	dark beige
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	120 A
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



#### Conductors for clamping (rated connection)

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>
Twin wire-end ferrule, min.	1.5 mm <sup>2</sup>
Twin wire end ferrule, max.	16 mm <sup>2</sup>
AWG conductor size, min.	AWG 12
AWG conductor size, max.	AWG 1/0
AWG conductor size, min.	3.31 mm <sup>2</sup>
AWG conductor size, max.	42.41 mm <sup>2</sup>

#### Dimensions

Width	16 mm
Height of lowest version	63 mm
Length	60 mm
Weight	54 g
TS 35 offset	32 mm

#### Rating data

Rated cross-section	35 mm <sup>2</sup>
Rated voltage	1,000 V
Rated impulse voltage	8 kV
Rated current	125 A
Standards	IEC 60947-7-1
Current with max. conductor	150 A
Pollution severity	3

#### Strap connection

Strap 1, max.	9 layers 9 x 0.8
Strap 1, min.	3 layers 9 x 0.8
Strap 2, min.	6 x 9 x 0.8

#### UL rating data

Voltage (UL)	1,000 V
Current (UL)	150 A
Min. cross-section (UL)	AWG 12
Max. cross-section (UL)	AWG 1

## Approvals

Approvals institutes



## Downloads

STEP 1020500000\_09257\_WDU\_35\_STP.stp

## 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
1020580000	WDU 35 BL	Feed-through terminal, 35 mm <sup>2</sup> , Screw connection, Wemid, blue, TS 35
1020600000	WDU 35/IK	Feed-through terminal, 35 mm <sup>2</sup> , Screw connection, Wemid, dark beige, TS 35
1020680000	WDU 35/IK BL	Feed-through terminal, 35 mm <sup>2</sup> , Screw connection, Wemid, blue, TS 35
1029000000	WDU 35/IK/ZA	Feed-through terminal, 35 mm <sup>2</sup> , Screw connection, Wemid, dark beige, TS 35
1028800000	WDU 35/ZA	Feed-through terminal, 35 mm <sup>2</sup> , Screw connection, Wemid, dark beige, TS 35
1028880000	WDU 35/ZA BL	Feed-through terminal, 35 mm <sup>2</sup> , Screw connection, Wemid, blue, TS 35