



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!



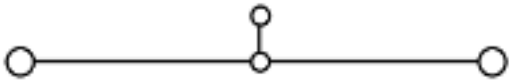
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General ordering data

Order No.	1020300000
Part designation	WDU 10
Version	Feed-through terminal, 10 mm ² , Screw connection, Wemid, dark beige, TS 35
EAN	4008190068868
Qty.	50 pc(s).

Product notes

Note, ordering data	For colours available see section W-series accessories "Specific functions"
Note, technical data	Note max. current of terminal (76 A) when using WQV! AWG 6/7 and H07V-R16 tightened with 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", shielding rail LS 2.8 1056400000.

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 voltage	550 V
ATEX current	50 A
ATEX conductor cross-section	10 mm ²
IECEX voltage	550 V
IECEX current	50 A
IECEX conductor cross-section	10 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

PT OKIEEx/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.	1 mm ²
Solid, max.	6 mm ²
Flexible, min.	1 mm ²
Flexible, max.	6 mm ²
Flexible with ferrule, min. (DIN 46228 pt 1)	1 mm ²
Flexible with ferrule, max. (DIN 46228 pt 1)	6 mm ²

Additional technical data

Colour of insulating material	dark beige
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	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	65 A
Min. cross-section (CSA)	AWG 16
Max. cross-section (CSA)	AWG 6

Conductors for clamping (rated connection)

Clamping range, min.	1.31 mm ²
Clamping range, max.	16 mm ²
Type of connection	Screw connection
2nd type of connection	screwed
Connection direction	on side
No. of connections	2
Stripping length	12 mm
Clamping screw	M 4
Blade size	1.0 x 5.5 mm
Tightening torque range	1.2...2.4 Nm
Torque level with DMS electric screwdriver	4
Gauge to IEC 60947-1	B6
Solid, min.	1.5 mm ²

Conductors for clamping (rated connection)

Solid, max.	16 mm ²
Stranded, min.	1.5 mm ²
Stranded, max.	16 mm ²
Flexible, min.	1 mm ²
Flexible, max.	6 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
Twin wire-end ferrule, min.	1.5 mm ²
Twin wire end ferrule, max.	6 mm ²
AWG conductor size, min.	AWG 16
AWG conductor size, max.	AWG 6
AWG conductor size, min.	1.31 mm ²
AWG conductor size, max.	13.3 mm ²

Dimensions

Width	9.9 mm
Height of lowest version	47 mm
Length	60 mm
Weight	18.46 g
TS 35 offset	32 mm

Disconnect terminals

Torque level with DMS electric screwdriver	4
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Rating data

Rated cross-section	10 mm ²
Rated voltage	1,000 V
Rated impulse voltage	8 kV
Rated current	57 A
Standards	IEC 60947-7-1
Current with max. conductor	76 A
Pollution severity	3

UL rating data

Voltage (UL)	600 V
Current (UL)	65 A
Min. cross-section (UL)	AWG 18
Max. cross-section (UL)	AWG 6

Approvals

Approvals institutes



Downloads

DXF	09255_WDU_10_DXF.dxf
STEP	1020300000_09255_WDU_10_GN_WAP_GE_STP.stp

Classifications

ETIM 2.0	EC000897
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
1020380000	WDU 10 BL	Feed-through terminal, 10 mm ² , Screw connection, Wemid, blue, TS 35
1020350000	WDU 10 GN WAP GE	Feed-through terminal, 10 mm ² , Screw connection, Wemid, green, TS 35
1042400000	WDU 10/ZR	Feed-through terminal, 10 mm ² , Screw connection, Wemid, dark beige, TS 35
1042480000	WDU 10/ZR BL	Feed-through terminal, 10 mm ² , Screw connection, Wemid, blue, TS 35