



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.	1041980000
Part designation	WDK 4N BL
Version	Feed-through terminal, 4 mm ² , Screw connection, Wemid, blue, TS 35
EAN	4032248138784
Qty.	100 pc(s).

Product notes

Note, technical data	2 wire H07V-U1.5, tighten with 0.6 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	Test plug and socket, see "W-Series Accessories" section. Note the 2.5 mm ² max. when using the WQB.

PT OKIECEEx/ATEX rating data

EU-type examination certificate	KEMA00ATEX2061U
Download, German	KEMA00ATEX2061U_d.pdf
Download English	KEMA00ATEX2061U_e.pdf
IECEEx Certificate of Conformity	IECEXULD05.0008U
Download	IECEXULD05.0008U_e.pdf
ATEX voltage	550 V
ATEX current	28 A
ATEX conductor cross-section	4 mm ²
IECEEx voltage	550 V
IECEEx current	28 A
IECEEx conductor cross-section	4 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

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

Solid, min.	0.5 mm ²
Solid, max.	1.5 mm ²
Flexible, min.	0.5 mm ²
Flexible, max.	1.5 mm ²
Flexible with ferrule, min. (DIN 46228 pt 1)	0.5 mm ²
Flexible with ferrule, max. (DIN 46228 pt 1)	1.5 mm ²

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	2
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)	300 V
CSA current	30 A
Min. cross-section (CSA)	AWG 26
Max. cross-section (CSA)	AWG 10

Conductors for clamping (rated connection)

Clamping range, min.	0.13 mm ²
Clamping range, max.	6 mm ²
Type of connection	Screw connection
2nd type of connection	screwed
Connection direction	on side
No. of connections	4
Stripping length	8 mm
Clamping screw	M 3
Blade size	0.6 x 3.5 mm
Tightening torque range	0.5...1.0 Nm
Torque level with DMS electric screwdriver	2
Gauge to IEC 60947-1	A4
Solid, min.	0.5 mm ²
Solid, max.	6 mm ²
Stranded, min.	1.5 mm ²
Stranded, max.	6 mm ²
Flexible, min.	0.5 mm ²

Conductors for clamping (rated connection)

Flexible, max.	4 mm ²
Flexible with ferrule, min. (DIN 46228/1)	0.5 mm ²
Flexible with ferrule, max. (DIN 46228/1)	4 mm ²
Flexible, min., ferrule with plastic collar (DIN 46228 pt 4)	0.5 mm ²
Flexible, max., ferrule with plastic collar (DIN 46228 pt 4)	4 mm ²
AWG conductor size, min.	AWG 26
AWG conductor size, max.	AWG 12
AWG conductor size, min.	0.13 mm ²
AWG conductor size, max.	5.26 mm ²

Dimensions

Width	6.1 mm
Height of lowest version	64.1 mm
Length	60 mm
TS 35 offset	30 mm

Disconnect terminals

Torque level with DMS electric screwdriver	2
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Rating data

Rated cross-section	4 mm ²
Rated voltage	800 V
Rated impulse voltage	8 kV
Rated current	32 A
Standards	IEC 60947-7-1
Current with max. conductor	35 A
Pollution severity	3

UL rating data

Voltage (UL)	600 V
Current (UL)	35 A
Min. cross-section (UL)	AWG 26
Max. cross-section (UL)	AWG 10

Approvals

Approvals institutes



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
104160000	WDK 2.5N	Feed-through terminal, 2.5 mm ² , Screw connection, Wemid, dark beige, TS 35
104165000	WDK 2.5N DU-PE	Feed-through terminal, 2.5 mm ² , Screw connection, Wemid, dark beige, TS 35
104161000	WDK 2.5N V	Feed-through terminal, 2.5 mm ² , Screw connection, Wemid, dark beige, TS 35
104168000	WDK 2.5N BL	Feed-through terminal, 2.5 mm ² , Screw connection, Wemid, blue, TS 35
104190000	WDK 4N	Feed-through terminal, 4 mm ² , Screw connection, Wemid, dark beige, TS 35
104195000	WDK 4N DU-PE	Feed-through terminal, 4 mm ² , Screw connection, Wemid, dark beige, TS 35
791678000	WDK 4N DU-PE/E	Feed-through terminal, 4 mm ² , Screw connection, Wemid, dark beige, TS 35
104196000	WDK 4N OR	Feed-through terminal, 4 mm ² , Screw connection, Polyamide, Orange, TS 35
104191000	WDK 4N V	Feed-through terminal, 4 mm ² , Screw connection, Wemid, dark beige, TS 35