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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.

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!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



#### General ordering data

Order No.	1020240000
Part designation	WDU 6 RT
Version	Feed-through terminal, 6 mm <sup>2</sup> , Screw connection, Polyamide, red, TS 35
EAN	4008190861285
Qty.	100 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 (57 A) when using WQV! Conductor connection H07V-..10 and AWG 8 tighten with 1.4-1.6 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	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
IECEEx Certificate of Conformity	IECEXULD05.0008U
ATEX voltage	550 V
ATEX current	36 A
ATEX conductor cross-section	6 mm <sup>2</sup>
IECEEx voltage	550 V
IECEEx current	36 A
IECEEx conductor cross-section	6 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

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

Solid, min.	0.5 mm <sup>2</sup>
Solid, max.	2.5 mm <sup>2</sup>
Flexible, min.	0.5 mm <sup>2</sup>
Flexible, max.	2.5 mm <sup>2</sup>
Flexible with ferrule, min. (DIN 46228 pt 1)	0.5 mm <sup>2</sup>
Flexible with ferrule, max. (DIN 46228 pt 1)	2.5 mm <sup>2</sup>

#### Additional technical data

Colour of insulating material	red
Connection direction	on side
End plate required	Yes
Explosion-tested version "Ex e"	Yes
Installation advice	TS 35

#### Additional technical data

Insulating material	Polyamide
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	50 A
Min. cross-section (CSA)	AWG 22
Max. cross-section (CSA)	AWG 8

#### Conductors for clamping (rated connection)

Clamping range, min.	0.22 mm <sup>2</sup>
Clamping range, max.	10 mm <sup>2</sup>
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 3.5
Blade size	4.0 x 0.8 mm
Tightening torque range	0.8...1.6 Nm
Torque level with DMS electric screwdriver	3
Gauge to IEC 60947-1	A5
Solid, min.	0.5 mm <sup>2</sup>
Solid, max.	10 mm <sup>2</sup>
Stranded, min.	1.5 mm <sup>2</sup>
Stranded, max.	10 mm <sup>2</sup>
Flexible, min.	0.5 mm <sup>2</sup>
Flexible, max.	10 mm <sup>2</sup>
Flexible with ferrule, min. (DIN 46228/1)	0.5 mm <sup>2</sup>
Flexible with ferrule, max. (DIN 46228/1)	6 mm <sup>2</sup>
Flexible, min., ferrule with plastic collar (DIN 46228 pt 4)	0.5 mm <sup>2</sup>
Flexible, max., ferrule with plastic collar (DIN 46228 pt 4)	6 mm <sup>2</sup>
Twin wire-end ferrule, min.	0.5 mm <sup>2</sup>
Twin wire end ferrule, max.	4 mm <sup>2</sup>
AWG conductor size, min.	AWG 26
AWG conductor size, max.	AWG 8
AWG conductor size, min.	0.13 mm <sup>2</sup>
AWG conductor size, max.	8.37 mm <sup>2</sup>

#### Dimensions

Width	7.9 mm
Height of lowest version	47 mm
Length	60 mm
Weight	14.8 g
TS 35 offset	32 mm

#### Disconnect terminals

Torque level with DMS electric screwdriver	3
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#### Rating data

Rated cross-section	6 mm <sup>2</sup>
Rated voltage	800 V
Rated impulse voltage	8 kV
Rated current	41 A
Standards	IEC 60947-7-1
Current with max. conductor	57 A
Pollution severity	3

#### UL rating data

Voltage (UL)	600 V
Current (UL)	50 A
Min. cross-section (UL)	AWG 22
Max. cross-section (UL)	AWG 8

#### 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
1020200000	WDU 6	Feed-through terminal, 6 mm <sup>2</sup> , Screw connection, Wemid, dark beige, TS 35
1020280000	WDU 6 BL	Feed-through terminal, 6 mm <sup>2</sup> , Screw connection, Wemid, blue, TS 35
1020260000	WDU 6 OR	Feed-through terminal, 6 mm <sup>2</sup> , Screw connection, Polyamide, Orange, TS 35
1020210000	WDU 6 SW	Feed-through terminal, 6 mm <sup>2</sup> , Screw connection, Polyamide, black, TS 35