

## Excellent Integrated System Limited

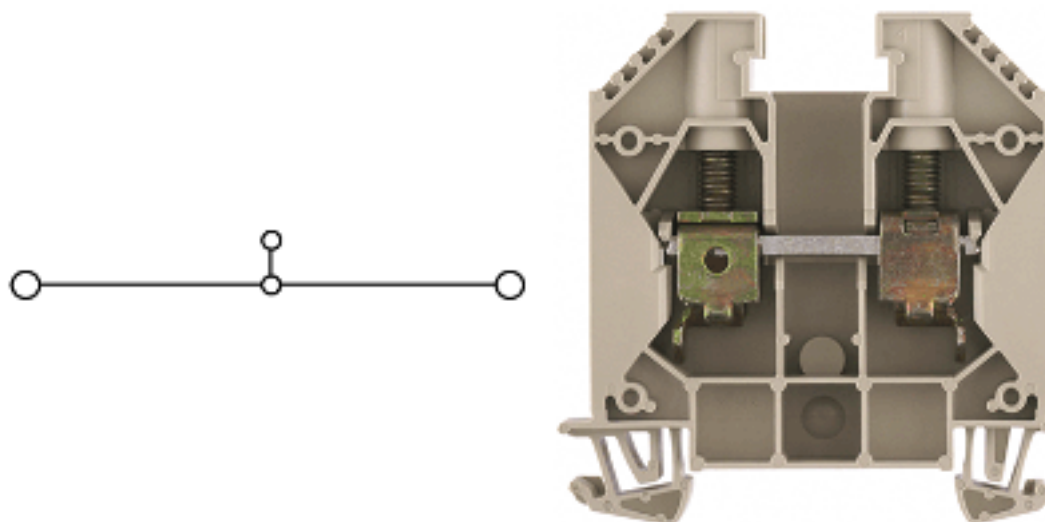
Stocking Distributor

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[Weidmüller](#)  
[1020400000](#)

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#### General ordering data

Order No.	1020400000
Part designation	WDU 16
Version	Feed-through terminal, 16 mm <sup>2</sup> , Screw connection, Wemid, dark beige, TS 35
EAN	4008190127794
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 OKIECEX/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	690 V
ATEX current	66 A
ATEX conductor cross-section	16 mm <sup>2</sup>
IECEX voltage	690 V
IECEX current	63 A
IECEX 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	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	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	31.08 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



### Downloads

STEP 1020400000\_09256\_WDU\_16\_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
1020480000	WDU 16 BL	Feed-through terminal, 16 mm <sup>2</sup> , Screw connection, Wemid, blue, 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