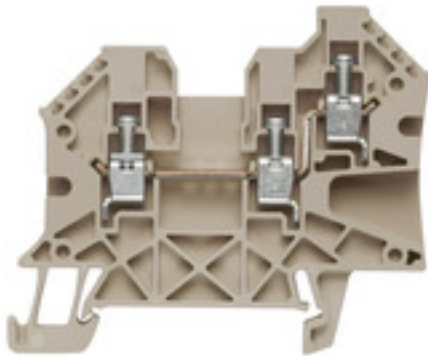


WDU 4/ZR**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image**

To feed through power, signal, and data is the classical requirement in electrical engineering and panel building. The insulating material, the connection system and the design of the terminal blocks are the differentiating features. A feed-through terminal block is suitable for joining and/or connecting one or more conductors. They could have one or more connection levels that are on the same potential or insulated against one another.

General ordering data

Version	Feed-through terminal, Screw connection, 4 mm ² , 800 V, 32 A, dark beige
Order No.	1905140000
Type	WDU 4/ZR
GTIN (EAN)	4032248523399
Qty.	50 pc(s).

WDU 4/ZR

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Dimensions and weights

Depth	53 mm	Depth (inches)	2.087 inch
Depth including DIN rail	53.5 mm	Height	63.5 mm
Height (inches)	2.5 inch	Width	6.1 mm
Width (inches)	0.24 inch	Net weight	10.909 g

Temperatures

Storage temperature		Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
	-25 °C...55 °C		
Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C

Material data

Material	Wemid	Colour	dark beige
UL 94 flammability rating	V-0		

Rating data IECEx/ATEX

Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Marking EN 60079-7	
			Ex eb II C Gb
Ex 2014/34/EU label	II 2 G D		

System specifications

Version	Screw connection, Additional connection, for plug-in cross-connector, One end without connector	End cover plate required	
			Yes
Number of potentials	1	Number of levels	1
Number of clamping points per level	3	Number of potentials per tier	1
Levels cross-connected internally	No	PE connection	No
Rail	TS 35	N-function	No
PE function	No	PEN function	No

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

Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max.	1.5 mm ²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	0.5 mm ²
Wire connection cross section, finely stranded, two clampable wires, min.	0.5 mm ²	Wire cross-section, finely stranded, two clampable wires, max.	1.5 mm ²

Additional technical data

Explosion-tested version	Yes	Open sides	right
Type of mounting	Snap-on		

WDU 4/ZR

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

CSA rating data

Certificate No. (CSA)	200039-1057876	Current size B (CSA)	30 A
Current size C (CSA)	30 A	Voltage size B (CSA)	600 V
Voltage size C (CSA)	600 V	Wire cross section max. (CSA)	10 AWG
Wire cross section min. (CSA)	30 AWG		

Conductors for clamping (additional connection)

Blade size, additional connection	0.6 x 3.5 mm	Clamping range, further connection, max.	6 mm ²
Clamping range, further connection, min.	0.5 mm ²	Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	4 mm ²
Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min.	0.5 mm ²	Conductor cross-section, flexible, further connection, min.	0.5 mm ²
Connection direction	on side	Connection type, additional connection	Screw connection
Cross-section for connected wire, AWG, additional connection, max.	AWG 10	Cross-section for connected wire, AWG, additional connection, min.	AWG 26
Cross-section for connected wire, flexible, further connection, max.	4 mm ²	Cross-section for connected wire, solid-core, further connection, max.	6 mm ²
Cross-section for connected wire, solid-core, further connection, min.	0.5 mm ²	Number of connections, additional connection	1
Rated cross-section, further connection	4 mm ²	Rated current, additional connection	32 A
Stripping length, additional connection	10 mm	Terminal screw, additional connection	M 3
Tightening torque, additional connection, max.	0.8 Nm	Tightening torque, additional connection, min.	0.5 Nm

Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm																																																																
Clampable conductor	<table> <tr> <td>Connection specification</td><td>Screw connection</td></tr> <tr> <td>Cross-section for conductor connection</td><td> <table> <tr> <td>Type</td><td>solid, H05(07) V-U</td></tr> <tr> <td>min.</td><td>0.5 mm²</td></tr> <tr> <td>max.</td><td>6 mm²</td></tr> <tr> <td>nominal</td><td>4 mm²</td></tr> </table> </td></tr> <tr> <td>wire end ferrule</td><td> <table> <tr> <td>Stripping length</td><td> <table> <tr> <td>min.</td><td>10 mm</td></tr> <tr> <td>max.</td><td>10 mm</td></tr> <tr> <td>nominal</td><td>10</td></tr> </table> </td></tr> <tr> <td>Tightening torque</td><td> <table> <tr> <td>min.</td><td>0.5 Nm</td></tr> <tr> <td>max.</td><td>0.8 Nm</td></tr> </table> </td></tr> <tr> <td>Recommended wire-end ferrule</td><td></td></tr> </table> </td></tr> <tr> <td>Connection specification</td><td>Screw connection</td></tr> <tr> <td>Cross-section for conductor connection</td><td> <table> <tr> <td>Type</td><td>flexible, H05(07) V-K</td></tr> <tr> <td>min.</td><td>0.5 mm²</td></tr> <tr> <td>max.</td><td>4 mm²</td></tr> <tr> <td>nominal</td><td>4 mm²</td></tr> </table> </td></tr> <tr> <td>wire end ferrule</td><td> <table> <tr> <td>Stripping length</td><td> <table> <tr> <td>min.</td><td>10 mm</td></tr> <tr> <td>max.</td><td>10 mm</td></tr> <tr> <td>nominal</td><td>10 mm</td></tr> </table> </td></tr> <tr> <td>Tightening torque</td><td> <table> <tr> <td>min.</td><td>0.5 Nm</td></tr> <tr> <td>max.</td><td>0.8 Nm</td></tr> </table> </td></tr> <tr> <td>Recommended wire-end ferrule</td><td></td></tr> </table> </td></tr> <tr> <td>Clamping range, max.</td><td>6 mm²</td></tr> <tr> <td>Clamping range, min.</td><td>0.05 mm²</td></tr> </table>	Connection specification	Screw connection	Cross-section for conductor connection	<table> <tr> <td>Type</td><td>solid, H05(07) V-U</td></tr> <tr> <td>min.</td><td>0.5 mm²</td></tr> <tr> <td>max.</td><td>6 mm²</td></tr> <tr> <td>nominal</td><td>4 mm²</td></tr> </table>	Type	solid, H05(07) V-U	min.	0.5 mm ²	max.	6 mm ²	nominal	4 mm ²	wire end ferrule	<table> <tr> <td>Stripping length</td><td> <table> <tr> <td>min.</td><td>10 mm</td></tr> <tr> <td>max.</td><td>10 mm</td></tr> <tr> <td>nominal</td><td>10</td></tr> </table> </td></tr> <tr> <td>Tightening torque</td><td> <table> <tr> <td>min.</td><td>0.5 Nm</td></tr> <tr> <td>max.</td><td>0.8 Nm</td></tr> </table> </td></tr> <tr> <td>Recommended wire-end ferrule</td><td></td></tr> </table>	Stripping length	<table> <tr> <td>min.</td><td>10 mm</td></tr> <tr> <td>max.</td><td>10 mm</td></tr> <tr> <td>nominal</td><td>10</td></tr> </table>	min.	10 mm	max.	10 mm	nominal	10	Tightening torque	<table> <tr> <td>min.</td><td>0.5 Nm</td></tr> <tr> <td>max.</td><td>0.8 Nm</td></tr> </table>	min.	0.5 Nm	max.	0.8 Nm	Recommended wire-end ferrule		Connection specification	Screw connection	Cross-section for conductor connection	<table> <tr> <td>Type</td><td>flexible, H05(07) V-K</td></tr> <tr> <td>min.</td><td>0.5 mm²</td></tr> <tr> <td>max.</td><td>4 mm²</td></tr> <tr> <td>nominal</td><td>4 mm²</td></tr> </table>	Type	flexible, H05(07) V-K	min.	0.5 mm ²	max.	4 mm ²	nominal	4 mm ²	wire end ferrule	<table> <tr> <td>Stripping length</td><td> <table> <tr> <td>min.</td><td>10 mm</td></tr> <tr> <td>max.</td><td>10 mm</td></tr> <tr> <td>nominal</td><td>10 mm</td></tr> </table> </td></tr> <tr> <td>Tightening torque</td><td> <table> <tr> <td>min.</td><td>0.5 Nm</td></tr> <tr> <td>max.</td><td>0.8 Nm</td></tr> </table> </td></tr> <tr> <td>Recommended wire-end ferrule</td><td></td></tr> </table>	Stripping length	<table> <tr> <td>min.</td><td>10 mm</td></tr> <tr> <td>max.</td><td>10 mm</td></tr> <tr> <td>nominal</td><td>10 mm</td></tr> </table>	min.	10 mm	max.	10 mm	nominal	10 mm	Tightening torque	<table> <tr> <td>min.</td><td>0.5 Nm</td></tr> <tr> <td>max.</td><td>0.8 Nm</td></tr> </table>	min.	0.5 Nm	max.	0.8 Nm	Recommended wire-end ferrule		Clamping range, max.	6 mm ²	Clamping range, min.	0.05 mm ²
Connection specification	Screw connection																																																																
Cross-section for conductor connection	<table> <tr> <td>Type</td><td>solid, H05(07) V-U</td></tr> <tr> <td>min.</td><td>0.5 mm²</td></tr> <tr> <td>max.</td><td>6 mm²</td></tr> <tr> <td>nominal</td><td>4 mm²</td></tr> </table>	Type	solid, H05(07) V-U	min.	0.5 mm ²	max.	6 mm ²	nominal	4 mm ²																																																								
Type	solid, H05(07) V-U																																																																
min.	0.5 mm ²																																																																
max.	6 mm ²																																																																
nominal	4 mm ²																																																																
wire end ferrule	<table> <tr> <td>Stripping length</td><td> <table> <tr> <td>min.</td><td>10 mm</td></tr> <tr> <td>max.</td><td>10 mm</td></tr> <tr> <td>nominal</td><td>10</td></tr> </table> </td></tr> <tr> <td>Tightening torque</td><td> <table> <tr> <td>min.</td><td>0.5 Nm</td></tr> <tr> <td>max.</td><td>0.8 Nm</td></tr> </table> </td></tr> <tr> <td>Recommended wire-end ferrule</td><td></td></tr> </table>	Stripping length	<table> <tr> <td>min.</td><td>10 mm</td></tr> <tr> <td>max.</td><td>10 mm</td></tr> <tr> <td>nominal</td><td>10</td></tr> </table>	min.	10 mm	max.	10 mm	nominal	10	Tightening torque	<table> <tr> <td>min.</td><td>0.5 Nm</td></tr> <tr> <td>max.</td><td>0.8 Nm</td></tr> </table>	min.	0.5 Nm	max.	0.8 Nm	Recommended wire-end ferrule																																																	
Stripping length	<table> <tr> <td>min.</td><td>10 mm</td></tr> <tr> <td>max.</td><td>10 mm</td></tr> <tr> <td>nominal</td><td>10</td></tr> </table>	min.	10 mm	max.	10 mm	nominal	10																																																										
min.	10 mm																																																																
max.	10 mm																																																																
nominal	10																																																																
Tightening torque	<table> <tr> <td>min.</td><td>0.5 Nm</td></tr> <tr> <td>max.</td><td>0.8 Nm</td></tr> </table>	min.	0.5 Nm	max.	0.8 Nm																																																												
min.	0.5 Nm																																																																
max.	0.8 Nm																																																																
Recommended wire-end ferrule																																																																	
Connection specification	Screw connection																																																																
Cross-section for conductor connection	<table> <tr> <td>Type</td><td>flexible, H05(07) V-K</td></tr> <tr> <td>min.</td><td>0.5 mm²</td></tr> <tr> <td>max.</td><td>4 mm²</td></tr> <tr> <td>nominal</td><td>4 mm²</td></tr> </table>	Type	flexible, H05(07) V-K	min.	0.5 mm ²	max.	4 mm ²	nominal	4 mm ²																																																								
Type	flexible, H05(07) V-K																																																																
min.	0.5 mm ²																																																																
max.	4 mm ²																																																																
nominal	4 mm ²																																																																
wire end ferrule	<table> <tr> <td>Stripping length</td><td> <table> <tr> <td>min.</td><td>10 mm</td></tr> <tr> <td>max.</td><td>10 mm</td></tr> <tr> <td>nominal</td><td>10 mm</td></tr> </table> </td></tr> <tr> <td>Tightening torque</td><td> <table> <tr> <td>min.</td><td>0.5 Nm</td></tr> <tr> <td>max.</td><td>0.8 Nm</td></tr> </table> </td></tr> <tr> <td>Recommended wire-end ferrule</td><td></td></tr> </table>	Stripping length	<table> <tr> <td>min.</td><td>10 mm</td></tr> <tr> <td>max.</td><td>10 mm</td></tr> <tr> <td>nominal</td><td>10 mm</td></tr> </table>	min.	10 mm	max.	10 mm	nominal	10 mm	Tightening torque	<table> <tr> <td>min.</td><td>0.5 Nm</td></tr> <tr> <td>max.</td><td>0.8 Nm</td></tr> </table>	min.	0.5 Nm	max.	0.8 Nm	Recommended wire-end ferrule																																																	
Stripping length	<table> <tr> <td>min.</td><td>10 mm</td></tr> <tr> <td>max.</td><td>10 mm</td></tr> <tr> <td>nominal</td><td>10 mm</td></tr> </table>	min.	10 mm	max.	10 mm	nominal	10 mm																																																										
min.	10 mm																																																																
max.	10 mm																																																																
nominal	10 mm																																																																
Tightening torque	<table> <tr> <td>min.</td><td>0.5 Nm</td></tr> <tr> <td>max.</td><td>0.8 Nm</td></tr> </table>	min.	0.5 Nm	max.	0.8 Nm																																																												
min.	0.5 Nm																																																																
max.	0.8 Nm																																																																
Recommended wire-end ferrule																																																																	
Clamping range, max.	6 mm ²																																																																
Clamping range, min.	0.05 mm ²																																																																

WDU 4/ZR

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Clamping screw	M 3
Connection direction	on side
Gauge to IEC 60947-1	A4
Number of connections	2
Stripping length	10 mm
Tightening torque, max.	0.8 Nm
Tightening torque, min.	0.5 Nm
Type of connection	Screw connection
Wire connection cross section AWG, max.	AWG 10
Wire connection cross section AWG, min.	AWG 26
Wire connection cross section, finely stranded, max.	4 mm ²
Wire connection cross section, finely stranded, min.	0.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	4 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm ²
Wire connection cross-section, solid core, max.	6 mm ²
Wire connection cross-section, solid core, min.	0.5 mm ²

Dimensions

TS 35 offset	32 mm
--------------	-------

General

Rail	TS 35	Standards	IEC 60947-7-1
Wire connection cross section AWG, max.	AWG 10	Wire connection cross section AWG, min.	AWG 26

Rating data

Rated cross-section	4 mm ²	Rated voltage	800 V
Rated current	32 A	Current at maximum wires	32 A
Standards	IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	1 mΩ
Rated impulse withstand voltage	8 kV	Power loss in accordance with IEC 60947-7-x	1.02 W
Pollution severity	3		

UL rating data

Certificate No. (cURus)	E60693	Conductor size Factory wiring max. (cURus)	10 AWG
Conductor size Factory wiring min. (cURus)	30 AWG	Conductor size Field wiring max. (cURus)	10 AWG
Conductor size Field wiring min. (cURus)	30 AWG	Current size B (cURus)	30 A
Current size C (cURus)	30 A	Voltage size B (cURus)	600 V
Voltage size C (cURus)	600 V		

WDU 4/ZR

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ECLASS 9.0	27-14-11-20
ECLASS 9.1	27-14-11-20	ECLASS 10.0	27-14-11-20
ECLASS 11.0	27-14-11-20	ECLASS 12.0	27-14-11-20

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E60693

Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity IECEX Certificate UKCA Ex Attestation of Conformity EAC certificate EAC EX Certificate CCC Ex Certificate UKCA Ex Certificate CE Declaration of Conformity ATEX Certificate CE Declaration of Conformity all terminals UKCA Declaration of Conformity
Engineering Data	CAD data – STEP
Engineering Data	EPLAN, WSCAD, Zuken E3.S
User Documentation	NTI WDU/WPE 4 ZR StorageConditionsTerminalBlocks
Catalogues	Catalogues in PDF-format
Brochures	

WDU 4/ZR

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Drawings

