

**WPE 2.5/1.5/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	PE terminal, Screw connection, Green/yellow, 2.5 mm <sup>2</sup> , 800 V, Number of connections: 1, Number of levels: 1, TS 35, V-0, Wemid
Order No.	<a href="#">1016400000</a>
Type	WPE 2.5/1.5/ZR
GTIN (EAN)	4008190054021
Qty.	50 items

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## Technical data

## Approvals

Approvals



ROHS	Conform
UL File Number Search	<a href="#">UL Website</a>
Certificate No. (UR)	E60693

## Dimensions and weights

Depth	46.5 mm	Depth (inches)	1.8307 inch
Depth including DIN rail	47 mm	Height	60 mm
Height (inches)	2.3622 inch	Width	5.1 mm
Width (inches)	0.2008 inch	Net weight	18.03 g

## Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-60 °C...75 °C
Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	120 °C

## Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption		
REACH SVHC	No SVHC above 0.1 wt%		
Product Carbon Footprint	Cradle to gate	0.497 kg CO2 eq.	

## Material data

Basic material	Wemid	Colour	Green/yellow
UL 94 flammability rating	V-0		

## Rating data IECEx/ATEX

Certificate No. (ATEX)	DEMKO14ATEX1338U	Certificate No. (IECEx)	IECExULD14.0005U
Wire cross section max. (ATEX)	2.5 mm <sup>2</sup>	Wire cross section max. (IECEx)	2.5 mm <sup>2</sup>
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, With PE connection, 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	Yes
Mounting rail	TS 35	N-function	No
PE function	Yes	PEN function	No

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

Cross-section for connected wire, solid, two clampable wires, max.	2.5 mm <sup>2</sup>	Cross-section for connected wire, solid, two clampable wires, min.	0.5 mm <sup>2</sup>
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max.	1.5 mm <sup>2</sup>	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	0.5 mm <sup>2</sup>
Wire cross-section, finely stranded, two clampable wires, max.	1.5 mm <sup>2</sup>	Wire connection cross section, finely stranded, two clampable wires, min.	0.5 mm <sup>2</sup>

## Additional technical data

Open sides	right	Number of similar terminals	1
Installation advice	when screwed in	Explosion-tested version	Yes
Type of mounting	when screwed in	Locking	for screw fixing

## CSA rating data

Wire cross section max. (CSA)	12 AWG	Certificate No. (CSA)	200039-1057876
Wire cross section min. (CSA)	26 AWG		

## Conductors for clamping (additional connection)

Terminal screw, additional connection	M 2.5	Connection direction additional connection	on side
Clamping range, further connection, max.	2.5 mm <sup>2</sup>	Clamping range, further connection, min.	0.5 mm <sup>2</sup>
Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	2.5 mm <sup>2</sup>	Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min.	0.5 mm <sup>2</sup>
Conductor cross-section, flexible, further connection, min.	0.5 mm <sup>2</sup>	Number of connections, additional connection	2
Rated cross-section, further connection	1.5 mm <sup>2</sup>	Blade size, additional connection	0.6 x 3.5 mm
Cross-section for connected wire, multi-core, further connection, min.	0.5 mm <sup>2</sup>	Cross-section for connected wire, multi-core, further connection, max.	1.5 mm <sup>2</sup>
Tightening torque, additional connection, max.	0.6 Nm	Cross-section for connected wire, AWG, additional connection, min.	AWG 26
Cross-section for connected wire, solid-core, further connection, min.	0.5 mm <sup>2</sup>	Cross-section for connected wire, solid-core, further connection, max.	2.5 mm <sup>2</sup>
Connection type, additional connection	Screw connection	Cross-section for connected wire, flexible, further connection, max.	1.5 mm <sup>2</sup>
Cross-section for connected wire, AWG, additional connection, max.	AWG 14	Stripping length, additional connection	10 mm
Tightening torque, additional connection, min.	0.4 Nm		

## Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A3	Wire connection cross section AWG, max.	AWG 12
Connection direction	on side	Tightening torque, max.	0.6 Nm
Tightening torque, min.	0.4 Nm	Stripping length	10 mm
Type of connection	Screw connection	Number of connections	1
Clamping range, max.	4 mm <sup>2</sup>	Clamping range, min.	0.05 mm <sup>2</sup>
Clamping screw	M 2.5	Blade size	0.6 x 3.5 mm
Wire connection cross section AWG, min.	AWG 26	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2.5 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.05 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	2.5 mm <sup>2</sup>

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Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.05 mm <sup>2</sup>	Wire connection cross section, finely stranded, max.	4 mm <sup>2</sup>
Wire connection cross section, finely stranded, min.	0.05 mm <sup>2</sup>	Connection cross-section, stranded, max.	4 mm <sup>2</sup>
Connection cross-section, stranded, min.	0.05 mm <sup>2</sup>	Torque level with DMS electric screwdriver	1
Wire connection cross-section, solid core, max.	4 mm <sup>2</sup>	Wire connection cross-section, solid core, min.	0.05 mm <sup>2</sup>
Connection cross-section, finely stranded, min.	0.05 mm <sup>2</sup>		

### Dimensions

TS 35 offset	32 mm
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### General

Wire connection cross section AWG, max.	AWG 12	Installation advice	when screwed in
Wire connection cross section AWG, min.	AWG 26	Standards	IEC 60947-7-2
Mounting rail	TS 35		

### Rating data

Rated cross-section	2.5 mm <sup>2</sup>	Rated voltage to adjoining terminal	800 V
Rated DC voltage	800 V	Standards	IEC 60947-7-2
Volume resistance according to IEC 60947-7-x	1.33 mΩ	Rated impulse withstand voltage to adjacent terminal	8 kV
Power loss in accordance with IEC 60947-7-x	0.00 W	Surge voltage category	III
Pollution severity	3		

### UL rating data

Conductor size Factory wiring max. (UR)	12 AWG	Conductor size Factory wiring min. (UR)	26 AWG
Certificate No. (UR)	E60693	Conductor size Field wiring min. (UR)	22 AWG
Conductor size Field wiring max. (UR)	12 AWG		

### Classifications

ETIM 8.0	EC000901	ETIM 9.0	EC000901
ETIM 10.0	EC000901	ECLASS 14.0	27-25-01-03
ECLASS 15.0	27-25-01-03		

Drawings

