

**AMC 2.5****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image**

Our motor connection terminals offer the possibility of convenient wiring of all 3 phases including protective conductor on only one terminal block.

**General ordering data**

Order No.	<a href="#">2434340000</a>
Type	AMC 2.5
GTIN (EAN)	4050118445022
Qty.	50 pc(s).

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## Technical data

### Dimensions and weights

Depth	88 mm	Depth (inches)	3.465 inch
Depth including DIN rail	88.5 mm	Height	107.5 mm
Height (inches)	4.232 inch	Width	5.1 mm
Width (inches)	0.201 inch	Net weight	24.644 g

### Temperatures

Storage temperature	-25 °C...55 °C	Continuous operating temp., min.	-60 °C
Continuous operating temp., max.	130 °C		

### Material data

Material	Wemid	Colour	dark beige
Colour of operational elements	orange	UL 94 flammability rating	V-0

### Rating data IECEx/ATEX

Certificate No. (ATEX)	TUEV16ATEX7909U	Certificate No. (IECEX)	IECEXTUR16.0036U
Max. voltage (ATEX)	440 V	Current (ATEX)	19 A
Wire cross section max. (ATEX)	2.5 mm <sup>2</sup>	Max. voltage (IECEX)	440 V
Current (IECEX)	19 A	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

End cover plate required	Yes	Number of potentials	4
Number of levels	3	Number of clamping points per level	2
Number of potentials per tier	1	Levels cross-connected internally	No
PE connection	Yes	Rail	TS 35
PE function	Yes		

### Additional technical data

Installation advice	Rail	Open sides	right
Snap-on	No	Type of fixing	Snap-on
Type of mounting	TS 35	With snap-in pegs	No

### CSA rating data

Certificate No. (CSA)	200039-70089609	Current size B (CSA)	20 A
Current size C (CSA)	20 A	Current size D (CSA)	10 A
Voltage size B (CSA)	300 V	Voltage size C (CSA)	150 V
Voltage size D (CSA)	300 V	Wire cross section max. (CSA)	12 AWG
Wire cross section min. (CSA)	28 AWG		

### Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm
Clamping range, max.	2.5 mm <sup>2</sup>
Clamping range, min.	0.14 mm <sup>2</sup>
Connection cross-section, stranded, max.	4 mm <sup>2</sup>
Connection cross-section, stranded, min.	0.5 mm <sup>2</sup>
Connection direction	top
Gauge to IEC 60947-1	A3

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Number of connections	7			
Stripping length	10 mm			
Tube length for twin wire-end ferrule	Cross-section for conductor connection	min.	0.5 mm <sup>2</sup>	
		max.	0.75 mm <sup>2</sup>	
	Tube length	min.	8 mm	
		max.	12 mm	
Tube length for wire-end ferrule with plastic collar DIN 46228/4	Cross-section for conductor connection	min.	0.34 mm <sup>2</sup>	
		max.	0.14 mm <sup>2</sup>	
	Tube length	min.	8 mm	
		max.	6 mm	
	Cross-section for conductor connection	min.	1 mm <sup>2</sup>	
		max.	0.5 mm <sup>2</sup>	
	Tube length	min.	12 mm	
		max.	6 mm	
	Cross-section for conductor connection	min.	2.5 mm <sup>2</sup>	
		max.	1.5 mm <sup>2</sup>	
	Tube length	min.	12 mm	
		max.	8 mm	
Tube length for wire-end ferrule without plastic collar DIN 46228/1	Cross-section for conductor connection	nominal	0.25 mm <sup>2</sup>	
		Tube length	nominal	5 mm
	Cross-section for conductor connection	min.	0.5 mm <sup>2</sup>	
		max.	1 mm <sup>2</sup>	
	Tube length	min.	6 mm	
		max.	10 mm	
	Cross-section for conductor connection	min.	1.5 mm <sup>2</sup>	
		max.	4 mm <sup>2</sup>	
	Tube length	min.	7 mm	
		max.	12 mm	
	Twin wire-end ferrules, max.	0.75 mm <sup>2</sup>		
	Twin wire-end ferrules, min.	0.5 mm <sup>2</sup>		
Type of connection	PUSH IN			
Wire connection cross section AWG, max.	AWG 12			
Wire connection cross section AWG, min.	AWG 28			
Wire connection cross section, finely stranded, max.	4 mm <sup>2</sup>			
Wire connection cross section, finely stranded, min.	0.5 mm <sup>2</sup>			
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	4 mm <sup>2</sup>			
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm <sup>2</sup>			
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.	0.5 mm <sup>2</sup>			
Wire connection cross-section, solid core, max.	2.5 mm <sup>2</sup>			
Wire connection cross-section, solid core, min.	0.5 mm <sup>2</sup>			

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## Technical data

## General

Installation advice	Rail	Rail	TS 35
Standards	DIN EN 60947-7-1, DIN EN 60947-7-2	Wire connection cross section AWG, max.	AWG 12
Wire connection cross section AWG, min.	AWG 28		

## Rating data

Rated cross-section	2.5 mm <sup>2</sup>	Rated voltage	690 V
Rated DC voltage	690 V	Rated current	22 A
Current at maximum wires	22 A	Standards	DIN EN 60947-7-1, DIN EN 60947-7-2
Volume resistance according to IEC 60947-7-x	1.33 mΩ	Rated impulse withstand voltage	8 kV
Power loss in accordance with IEC 60947-7-x	0.77 W	Pollution severity	3
Surge voltage category	III		

## UL rating data

Certificate No. (cURus)	E60693	Conductor size Factory wiring max. (cURus)	12 AWG
Conductor size Factory wiring min. (cURus)	28 AWG	Conductor size Field wiring max. (cURus)	12 AWG
Conductor size Field wiring min. (cURus)	28 AWG	Current size B (cURus)	20 A
Current size C (cURus)	20 A	Current size D (cURus)	10 A
Voltage size B (cURus)	300 V	Voltage size C (cURus)	150 V
Voltage size D (cURus)	300 V		

## Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ETIM 9.0	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	ECLASS 13.0	27250102

## Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E60693
Certificate No. (cURusEX)	E184763

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Catalogue status 21.11.2023 / We reserve the right to make technical changes.

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[www.weidmueller.com](http://www.weidmueller.com)**Technical data****Downloads**

Approval/Certificate/Document of Conformity	<a href="#">Attestation of Conformity</a> <a href="#">IECEX Certificate</a> <a href="#">ATEX Certificate</a> <a href="#">DNVGL certificate</a> <a href="#">CCC Ex Certificate</a> <a href="#">CB Testreport</a> <a href="#">CB Certificate</a> <a href="#">UKCA Ex Certificate</a> <a href="#">CE Declaration of Conformity</a> <a href="#">UKCA declaration of conformity</a> <a href="#">Confirmation of Standards EN 45545-2_2020-10</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Tender specification	<a href="#">Klippon® Connect 2434340000 EN</a> <a href="#">Klippon® Connect 2434340000 DE</a>
User Documentation	<a href="#">NTI AMC 2.5</a> <a href="#">StorageConditionsTerminalBlocks</a> <a href="#">User Manual AXC PE</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

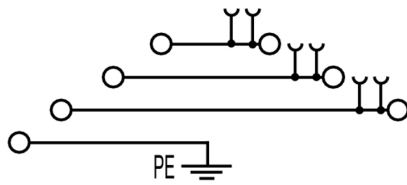
**Data sheet**

**AMC 2.5**

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**Drawings**



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**Accessories**

**SnapMark**



SnapMark - this tag carrier has been developed specifically for the I-series double-level terminal IDK 1.5N. The flexible pivot mechanism allows cross-connections to be easily installed or removed. It can hold four DEK 5 labelling tags or two WS 10/5 Middle connector markers.

**General ordering data**

Type	SNAPMARK I	Version
Order No.	<a href="#">1805880000</a>	Group markers, Terminal marker, 23 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4032248273614	Weidmueller, white
Qty.	50 pc(s).	

**A-Series**



Test adapters and test plugs are used for the electrical connection between terminal blocks and the test equipment. In this way, an electrical contact can be established in the wired state and measurements can be done easily.

**General ordering data**

Type	ATPG 2.5/5
Order No.	<a href="#">2041180000</a>
GTIN (EAN)	4050118409505
Qty.	25 pc(s).
Type	ATPG 2.5/3
Order No.	<a href="#">2041190000</a>
GTIN (EAN)	4050118409604
Qty.	25 pc(s).
Type	ATPG 1.5-10 L
Order No.	<a href="#">1991890000</a>
GTIN (EAN)	4050118376647
Qty.	50 pc(s).
Type	ATPG 2.5 MI-R
Order No.	<a href="#">1991960000</a>
GTIN (EAN)	4050118376685
Qty.	50 pc(s).

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**Accessories**

**Blank**



WS markers are the perfect match for the W-series connectors. Thanks to their system compatibility, the WS tags can also be used with the I-series and the Z-series. The large marking surfaces do not only permit long character strings but also multi-line text. WS markers are ideal for labels with long, customised character strings. Thanks to the proven MultiCard format, printing with PrintJet CONNECT oder/or Plotter is possible.

- Can be fitted in strips or individually
- Markers in proven MultiCard format

**For custom printing:** Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

**General ordering data**

Type	WS 10/5 M PLUS MC NE WS	Version
Order No.	<a href="#">2003770000</a>	WS, Terminal marker, 10 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,
GTIN (EAN)	4050118424447	Allen-Bradley, white
Qty.	600 pc(s).	

**Vertical cross-connections**



A vertical connector allows to connect the two tiers of a terminal block. This allows the potential to be multiplied on several levels on a multi-tier terminal block.

**General ordering data**

Type	ZVQ 2.5/1.5	Version
Order No.	<a href="#">1720700000</a>	Accessories, Cross-connector, 24 A
GTIN (EAN)	4008190374006	
Qty.	50 pc(s).	

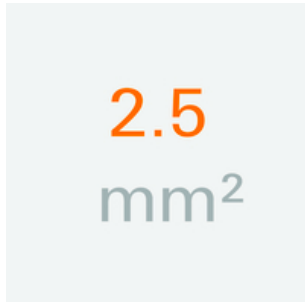


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## Accessories

2.5 mm<sup>2</sup>

The plug-in cross-connections feature easy handling and quick installation. This saves a great deal of time during installation in comparison with screwed solutions.

## General ordering data

Type	ZQV 2.5N/4
Order No.	<a href="#">1527590000</a>
GTIN (EAN)	4050118448443
Qty.	60 pc(s).
Type	ZQV 2.5N/10
Order No.	<a href="#">1527690000</a>
GTIN (EAN)	4050118447989
Qty.	20 pc(s).
Type	ZQV 2.5N/3
Order No.	<a href="#">1527570000</a>
GTIN (EAN)	4050118448450
Qty.	60 pc(s).
Type	ZQV 2.5N/7
Order No.	<a href="#">1527640000</a>
GTIN (EAN)	4050118448412
Qty.	20 pc(s).
Type	ZQV 2.5N/20
Order No.	<a href="#">1527720000</a>
GTIN (EAN)	4050118447972
Qty.	20 pc(s).
Type	ZQV 2.5N/50
Order No.	<a href="#">1527730000</a>
GTIN (EAN)	4050118411362
Qty.	5 pc(s).
Type	ZQV 2.5N/2
Order No.	<a href="#">1527540000</a>
GTIN (EAN)	4050118448467
Qty.	60 pc(s).
Type	ZQV 2.5N/9
Order No.	<a href="#">1527680000</a>
GTIN (EAN)	4050118447996
Qty.	20 pc(s).
Type	ZQV 2.5N/8
Order No.	<a href="#">1527670000</a>
GTIN (EAN)	4050118448405
Qty.	20 pc(s).
Type	ZQV 2.5N/5
Order No.	<a href="#">1527620000</a>
GTIN (EAN)	4050118448436
Qty.	20 pc(s).

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## Accessories

Type	ZQV 2.5N/6
Order No.	<a href="#">1527630000</a>
GTIN (EAN)	4050118448429
Qty.	20 pc(s).

## Plus



The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.

Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.

- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

**For custom printing:** Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

## General ordering data

Type	DEK 5/5 PLUS MC NE WS	Version
Order No.	<a href="#">1854490000</a>	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4032248393596	Weidmueller, white
Qty.	1,000 pc(s).	

## Marker holder



The marker holder offer the possibility of additional mounting of standard markers with a pitch of 5 or 5.1 mm. The angled holders can be optionally snapped together and could be mounted in all standard marking channels of the Klippon® Connect modular terminal blocks. Fitting marker types could be found under the respective accessories of the designation marking holder.

## General ordering data

Type	BZT 1 WS 10/5	Version
Order No.	<a href="#">1805490000</a>	Accessories, Marker holder
GTIN (EAN)	4032248270231	
Qty.	100 pc(s).	

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**Accessories**

Type	BZT 1 ZA WS 10/5	Version	
Order No.	<a href="#">1805520000</a>	Accessories, Marker holder	
GTIN (EAN)	4032248270248		
Qty.	100 pc(s).		

**DEK 5/5**



**WS/ DEK**

MultiMark terminal markers use an innovative composite material made from two components. The hard base contour of the marker snaps securely into the connector. The elastic surface finish makes the marker easy to mount. This specially punched material enables the strips to be stretched to accommodate the slight variations in spacing that tend to add up, especially with long terminal blocks. Another advantage: the excellent printability of the surface material guarantees durable and wear-resistant labelling. A print resolution of 300 dpi also produces a very legible script.

**Your benefits with MultiMark**

- Firm hold and durable printing
- Continuous strips save installation time
- Easy mounting thanks to an innovative composite material
- Large label field for optimal legibility
- High flexibility thanks to manufacturer independence

**General ordering data**

Type	DEK 5/5 MM WS	Version	
Order No.	<a href="#">2007110000</a>	Dekafix, Terminal marker, 5 x 5 mm, Weidmueller, white	
GTIN (EAN)	4050118391862		
Qty.	800 pc(s).		

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# Accessories

## WS 8/5



### WS/ DEK

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#### Your benefits with MultiMark

- Firm hold and durable printing
- Continuous strips save installation time
- Easy mounting thanks to an innovative composite material
- Large label field for optimal legibility
- High flexibility thanks to manufacturer independence

### General ordering data

Type	WS 8/5 MM WS	Version	
Order No.	<a href="#">2007150000</a>	WS, Terminal marker, 8 x 5 mm, Weidmueller, white	
GTIN (EAN)	4050118392029		
Qty.	800 pc(s).		

## 2.5 mm<sup>2</sup>



### Power distribution

You safely and efficiently distribute electricity to the power consumers with our W-Series feed-through terminal blocks and our optimised WPD phase distribution blocks.

### General ordering data

Type	AEP MC 2.5	Version	
Order No.	<a href="#">2433820000</a>	A-series, End plate	
GTIN (EAN)	4050118444278		
Qty.	25 pc(s).		

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**Accessories**

**A-Series**



Warning covers with a flash symbol provide more safety for man and machine. They are used where external voltage must be indicated within the application.

**General ordering data**

Type	AAM 2.5 YE FLASH	Version
Order No.	<a href="#">2635550000</a>	Terminal marker, 8 x 5.1 mm, Pitch in mm (P): 5.00 yellow
GTIN (EAN)	4050118674095	
Qty.	40 pc(s).	

**Digital multimeters**



Multimeters are capable of measuring a number of variables. Each instrument can measure voltage and resistance, as well as performing continuity and diode testing as standard. In addition, the individual multimeters also feature extra measuring options such as current, frequency, capacitance and temperature. Digital multimeters have the advantage of a clear display which can be read easily and directly. With these instruments, mistakes arising from faulty conversion of the measuring ranges or misreading the display are a thing of the past.

**General ordering data**

Type	ZUB MULTIMETER	Version
Order No.	<a href="#">9205270000</a>	Multimeter
GTIN (EAN)	4032248723522	
Qty.	1 pc(s).	

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**Accessories**

**Slotted screwdriver**



VDE insulated screwdriver sets, for working on live parts up to 1000 V AC and 1500 V DC, DIN EN 60900. IEC 900. Each piece is "GS" safety tested. Blade made from fully hardened, high-alloy chromium-vanadium-molybdenum steel, gun-metal finish.

**General ordering data**

Type	SDIS SLIM 0.6X3.5X100	Version	
Order No.	<a href="#">2749610000</a>	Mounting tool, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade	
GTIN (EAN)	4050118896350	thickness (A): 0.6 mm	
Qty.	1 pc(s).		

**Additional accessories**



**No task is too small when creating the perfect solution.**

Connections form just one part of the overall process. Small details are often the key to the perfect solution in applications where potentials are tested, grouped or even isolated.

A system is not a system without small but essential details:

- Test plugs ensure reliable pick-up from diagnostic sockets

In tandem with the manufacturing process and application.

**General ordering data**

Type	PS 2.0 MC	Version	Product data	Packaging
Order No.	<a href="#">0310000000</a>	PCB plug-in connector, Accessories, Test plug, red, Number of poles: 1		Box
GTIN (EAN)	4008190000059			
Qty.	20 pc(s).			

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## Accessories

## A-Series



Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

## General ordering data

Type	AEB 35 SC/1	Version
Order No.	<a href="#">1991920000</a>	A-series, End bracket
GTIN (EAN)	4050118376722	
Qty.	50 pc(s).	
Type	AEB 35 SCL/1 V0	Version
Order No.	<a href="#">2661280000</a>	A-series, End bracket
GTIN (EAN)	4050118702163	
Qty.	20 pc(s).	
Type	AEB 35 SC/1 BK	Version
Order No.	<a href="#">2475310000</a>	A-series, End bracket
GTIN (EAN)	4050118487114	
Qty.	50 pc(s).	
Type	AEB 35 SCL/1 V0 BK	Version
Order No.	<a href="#">2661300000</a>	A-series, End bracket
GTIN (EAN)	4050118702187	
Qty.	20 pc(s).	
Type	AEB 35 SCL/1 V0 GY	Version
Order No.	<a href="#">2661290000</a>	A-series, End bracket
GTIN (EAN)	4050118702170	
Qty.	20 pc(s).	