A2T 2.5 3C VL DL

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, PUSH IN, 2.5 mm², 800 V, 22 A, dark beige
Order No.	2936690000
Type	A2T 2.5 3C VL DL
GTIN (EAN)	4099986691568
Qty.	50 items

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A2T 2.5 3C VL DL

Technical data

Approvals

Approvals	CE

Dimensions and weights

Depth	64 mm	Depth (inches)	2.5197 inch
Depth including DIN rail	64.5 mm	Height	114.5 mm
Height (inches)	4.5079 inch	Width	5.1 mm
Width (inches)	0.2008 inch	Net weight	18.44 g

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-5 °C...40 °C
Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Material data

Basic material	Wemid	Insulating material	Wemid
Colour	dark beige	UL 94 flammability rating	V-0

Rating data IECEx/ATEX

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	1
Number of levels	2	Number of clamping points per level	3
Levels cross-connected internally	Yes	PE connection	No
Mounting rail	TS 35	N-function	No
PE function	No	PEN function	No

Additional technical data

With snap-in pegs	No	Open sides	right
Snap-on	No	Explosion-tested version	Yes

Conductors for clamping (rated connection)

Wire connection cross section AWG, max.	AWG 12	Connection direction	top
Stripping length	10 mm	Type of connection 2	PUSH IN
Type of connection	PUSH IN	Number of connections	6
Clamping range, max.	4 mm²	Clamping range, min.	0.14 mm²

A2T 2.5 3C VL DL

Technical data

Blade size	0.6 x 3.5 mm	Wire connection cross section AWG, min.	AWG 28
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2.5 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	4 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm²
Wire connection cross-section, finely stranded, max.	4 mm²	Wire connection cross section, finely stranded, min.	0.5 mm²
Connection cross-section, stranded, max.	4 mm²	Connection cross-section, stranded, min.	0.5 mm²
Twin wire-end ferrules, max.	0.75 mm²	Twin wire-end ferrules, min.	0.5 mm²
Wire connection cross-section, solid core, max.	2.5 mm²	Wire connection cross-section, solid core, min.	0.5 mm²

General

|			
Wire connection cross section AWG, max.	AWG 12	Wire connection cross section AWG, min.	AWG 28
Standards	IEC 60947-7-1	Mounting rail	TS 35

Rating data

Rated cross-section	2.5 mm²	Rated voltage	800 V
Rated DC voltage	800 V	Nominal current	22 A
Current at maximum wires	22 A	Standards	IEC 60947-7-1
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

Classifications

ETIM 8.0	EC000897	ETIM 9.0	EC000897
ETIM 10.0	EC000897	ECLASS 14.0	27-25-01-02
ECLASS 15.0	27-25-01-02		
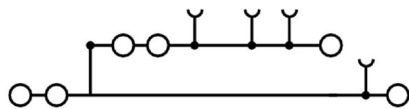
A2T 2.5 3C VL DL

Drawings

A2T 2.5 3C VL DL

Accessories
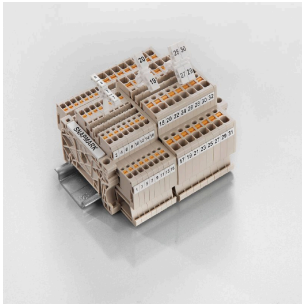
SnapMark

SnapMark - this tag carrier has been developed especifically 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.	1805880000	Group markers, Terminal marker, 23 x 5 mm, Pitch in mm (P): 5.00	
GTIN (EAN)	4032248273614	Weidmueller, white	
Qty.	50 ST		

Testadapter and testsockets

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 1.5-10 L	Version	
Order No.	1991890000	Test adapter (terminal), 1.5 mm², 250 V, 0.2 A	
GTIN (EAN)	4050118376647		
Qty.	50 ST		
Type	ATPG 2.5 MI-R	Version	
Order No.	1991960000	Test adapter (terminal), 1.5 mm², 250 V, 0.2 A	
GTIN (EAN)	4050118376685		
Qty.	50 ST		

Cross-connections

The distribution or multiplication of a potential to adjoining terminal blocks is realized via a cross-connection. Additional wiring effort can be easily avoided. Even if the poles are broken out, contact reliability in the terminal blocks is still ensured. Our portfolio offers pluggable and screwable cross-connection systems for modular terminal blocks.

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Accessories

General ordering data

Type	ZQV 2.5N/10	Version
Order No.	1527690000	Cross-connector (terminal), Plugged, orange, 24 A, Number of poles:
GTIN (EAN)	4050118447989	10, Pitch in mm (P): 5.10, Insulated: Yes, Width: 48.7 mm
Qty.	20 ST	

Type	ZQV 2.5N/10 BL	Version
Order No.	1527880000	Cross-connector (terminal), Plugged, blue, 24 A, Number of poles: 10,
GTIN (EAN)	4050118448573	Pitch in mm (P): 5.10, Insulated: Yes, Width: 48.7 mm
Qty.	20 ST	

Type	ZQV 2.5N/10 RD	Version
Order No.	2108910000	Cross-connector (terminal), Plugged, red, 24 A, Number of poles: 10,
GTIN (EAN)	4050118486018	Pitch in mm (P): 5.10, Insulated: Yes, Width: 48.7 mm
Qty.	20 ST	

Type	ZQV 2.5N/2	Version
Order No.	1527540000	Cross-connector (terminal), Plugged, orange, 24 A, Number of poles:
GTIN (EAN)	4050118448467	2, Pitch in mm (P): 5.10, Insulated: Yes, Width: 7.9 mm
Qty.	60 ST	

Type	ZQV 2.5N/2 BL	Version
Order No.	1527740000	Cross-connector (terminal), Plugged, blue, 24 A, Number of poles: 2,
GTIN (EAN)	4050118448658	Pitch in mm (P): 5.10, Insulated: Yes, Width: 7.9 mm
Qty.	60 ST	

Type	ZQV 2.5N/2 RD	Version
Order No.	2108470000	Cross-connector (terminal), Plugged, red, 24 A, Number of poles: 2,
GTIN (EAN)	4050118448542	Pitch in mm (P): 5.10, Insulated: Yes, Width: 7.9 mm
Qty.	60 ST	

Type	ZQV 2.5N/20	Version
Order No.	1527720000	Cross-connector (terminal), Plugged, orange, 24 A, Number of poles:
GTIN (EAN)	4050118447972	20, Pitch in mm (P): 5.10, Insulated: Yes, Width: 102 mm
Qty.	20 ST	

Type	ZQV 2.5N/20 BL	Version
Order No.	1527890000	Cross-connector (terminal), Plugged, blue, 24 A, Number of poles: 20,
GTIN (EAN)	4050118448566	Pitch in mm (P): 5.10, Insulated: Yes, Width: 102 mm
Qty.	20 ST	

Type	ZQV 2.5N/20 RD	Version
Order No.	2108920000	Cross-connector (terminal), Plugged, red, 24 A, Number of poles: 20,
GTIN (EAN)	4050118485899	Pitch in mm (P): 5.10, Insulated: Yes, Width: 102 mm
Qty.	20 ST	

Type	ZQV 2.5N/3	Version
Order No.	1527570000	Cross-connector (terminal), Plugged, orange, 24 A, Number of poles:
GTIN (EAN)	4050118448450	3, Pitch in mm (P): 5.10, Insulated: Yes, Width: 13 mm
Qty.	60 ST	

Type	ZQV 2.5N/3 BL	Version
Order No.	1527770000	Cross-connector (terminal), Plugged, blue, 24 A, Number of poles: 3,
GTIN (EAN)	4050118448641	Pitch in mm (P): 5.10, Insulated: Yes, Width: 13 mm
Qty.	60 ST	

Type	ZQV 2.5N/3 RD	Version
Order No.	2108690000	Cross-connector (terminal), Plugged, red, 24 A, Number of poles: 3,
GTIN (EAN)	4050118448535	Pitch in mm (P): 5.10, Insulated: Yes, Width: 13 mm
Qty.	60 ST	

Type	ZQV 2.5N/4	Version
Order No.	1527590000	Cross-connector (terminal), Plugged, orange, 24 A, Number of poles:
GTIN (EAN)	4050118448443	4, Pitch in mm (P): 5.10, Insulated: Yes, Width: 18.1 mm
Qty.	60 ST	

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Accessories

Type	ZQV 2.5N/4 BL	Version	
Order No.	1527780000	Cross-connector (terminal), Plugged, blue, 24 A, Number of poles: 4,	
GTIN (EAN)	4050118448634	Pitch in mm (P): 5.10, Insulated: Yes, Width: 18.1 mm	
Qty.	60 ST		
Type	ZQV 2.5N/4 RD	Version	
Order No.	2108700000	Cross-connector (terminal), Plugged, red, 24 A, Number of poles: 4,	
GTIN (EAN)	4050118448528	Pitch in mm (P): 5.10, Insulated: Yes, Width: 18.1 mm	
Qty.	60 ST		
Type	ZQV 2.5N/5	Version	
Order No.	1527620000	Cross-connector (terminal), Plugged, orange, 24 A, Number of poles:	
GTIN (EAN)	4050118448436	5, Pitch in mm (P): 5.10, Insulated: Yes, Width: 23.2 mm	
Qty.	20 ST		
Type	ZQV 2.5N/5 BL	Version	
Order No.	1527790000	Cross-connector (terminal), Plugged, blue, 24 A, Number of poles: 5,	
GTIN (EAN)	4050118448627	Pitch in mm (P): 5.10, Insulated: Yes, Width: 23.2 mm	
Qty.	20 ST		
Type	ZQV 2.5N/5 RD	Version	
Order No.	2108710000	Cross-connector (terminal), Plugged, red, 24 A, Number of poles: 5,	
GTIN (EAN)	4050118448511	Pitch in mm (P): 5.10, Insulated: Yes, Width: 23.2 mm	
Qty.	20 ST		
Type	ZQV 2.5N/50	Version	
Order No.	1527730000	Cross-connector (terminal), Plugged, orange, 24 A, Number of poles:	
GTIN (EAN)	4050118411362	50, Pitch in mm (P): 5.10, Insulated: Yes, Width: 255 mm	
Qty.	5 ST		
Type	ZQV 2.5N/50 BL	Version	
Order No.	1527920000	Cross-connector (terminal), Plugged, blue, 24 A, Number of poles: 50,	
GTIN (EAN)	4050118448559	Pitch in mm (P): 5.10, Insulated: Yes, Width: 255 mm	
Qty.	5 ST		
Type	ZQV 2.5N/50 RD	Version	
Order No.	2109000000	Cross-connector (terminal), Plugged, red, 24 A, Number of poles: 50,	
GTIN (EAN)	4050118486001	Pitch in mm (P): 5.10, Insulated: Yes, Width: 255 mm	
Qty.	5 ST		
Type	ZQV 2.5N/6	Version	
Order No.	1527630000	Cross-connector (terminal), Plugged, orange, 24 A, Number of poles:	
GTIN (EAN)	4050118448429	6, Pitch in mm (P): 5.10, Insulated: Yes, Width: 28.3 mm	
Qty.	20 ST		
Type	ZQV 2.5N/6 BL	Version	
Order No.	1527820000	Cross-connector (terminal), Plugged, blue, 24 A, Number of poles: 6,	
GTIN (EAN)	4050118448610	Pitch in mm (P): 5.10, Insulated: Yes, Width: 28.3 mm	
Qty.	20 ST		
Type	ZQV 2.5N/6 RD	Version	
Order No.	2108720000	Cross-connector (terminal), Plugged, red, 24 A, Number of poles: 6,	
GTIN (EAN)	4050118448504	Pitch in mm (P): 5.10, Insulated: Yes, Width: 28.3 mm	
Qty.	20 ST		
Type	ZQV 2.5N/7	Version	
Order No.	1527640000	Cross-connector (terminal), Plugged, orange, 24 A, Number of poles:	
GTIN (EAN)	4050118448412	7, Pitch in mm (P): 5.10, Insulated: Yes, Width: 33.4 mm	
Qty.	20 ST		
Type	ZQV 2.5N/7 BL	Version	
Order No.	1527830000	Cross-connector (terminal), Plugged, blue, 24 A, Number of poles: 7,	
GTIN (EAN)	4050118448603	Pitch in mm (P): 5.10, Insulated: Yes, Width: 33.4 mm	
Qty.	20 ST		

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Catalogue status / Drawings

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Type	ZQV 2.5N/7 RD	Version	
Order No.	2108810000	Cross-connector (terminal), Plugged, red, 24 A, Number of poles: 7,	
GTIN (EAN)	4050118448498	Pitch in mm (P): 5.10, Insulated: Yes, Width: 33.4 mm	
Qty.	20 ST		
Type	ZQV 2.5N/8	Version	
Order No.	1527670000	Cross-connector (terminal), Plugged, orange, 24 A, Number of poles:	
GTIN (EAN)	4050118448405	8, Pitch in mm (P): 5.10, Insulated: Yes, Width: 38.5 mm	
Qty.	20 ST		
Type	ZQV 2.5N/8 RD	Version	
Order No.	2108870000	Cross-connector (terminal), Plugged, red, 24 A, Number of poles: 8,	
GTIN (EAN)	4050118448481	Pitch in mm (P): 5.10, Insulated: Yes, Width: 38.5 mm	
Qty.	20 ST		
Type	ZQV 2.5N/8 BL	Version	
Order No.	1527840000	Cross-connector (terminal), Plugged, blue, 24 A, Number of poles: 8,	
GTIN (EAN)	4050118448597	Pitch in mm (P): 5.10, Insulated: Yes, Width: 38.5 mm	
Qty.	20 ST		
Type	ZQV 2.5N/9	Version	
Order No.	1527680000	Cross-connector (terminal), Plugged, orange, 24 A, Number of poles:	
GTIN (EAN)	4050118447996	9, Pitch in mm (P): 5.10, Insulated: Yes, Width: 43.6 mm	
Qty.	20 ST		
Type	ZQV 2.5N/9 BL	Version	
Order No.	1527870000	Cross-connector (terminal), Plugged, blue, 24 A, Number of poles: 9,	
GTIN (EAN)	4050118448580	Pitch in mm (P): 5.10, Insulated: Yes, Width: 43.6 mm	
Qty.	20 ST		
Type	ZQV 2.5N/9 RD	Version	
Order No.	2108900000	Cross-connector (terminal), Plugged, red, 24 A, Number of poles: 9,	
GTIN (EAN)	4050118448474	Pitch in mm (P): 5.10, Insulated: Yes, Width: 43.6 mm	
Qty.	20 ST		

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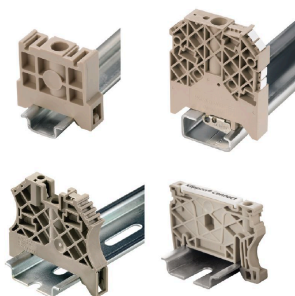
Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

General ordering data

Type	AEB 35 SC/1	Version	
Order No.	1991920000	A-series, End bracket	
GTIN (EAN)	4050118376722		
Qty.	50 ST		

Accessories

Accessories

Accessories for testing and measuring equipment

General ordering data

Type	ZUB MULTIMETER	Version	
Order No.	9205270000	Multimeter	
GTIN (EAN)	4032248723522		
Qty.	1 ST		

### End plates and partition plates

Partition plates and end plates are essential accessories for terminal blocks. Partition plates provide optical and electrical separation of different potentials and functional groups, increasing safety and ensuring a clear structure inside the control cabinet. End plates close the terminal block row on the sides, protect against contact with live parts, and ensure a clean, stable finish. Both components are precisely matched to the respective Weidmüller terminal block series, contributing to safe, compliant, and professional wiring.

General ordering data

| Type	AEP 2T 2.5 3C	Version	
Order No.	2532690000	A-series, End plate	
GTIN (EAN)	4050118544541		
Qty.	20 ST		
Type	AEP 2T 2.5 3C BL	Version	
Order No.	2532700000	A-series, End plate	
GTIN (EAN)	4050118544558		
Qty.	20 ST		

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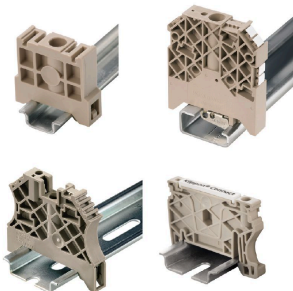
Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

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Accessories

General ordering data

Type	AEB 35 SC/1 BK	Version	
Order No.	2475310000	A-series, End bracket	
GTIN (EAN)	4050118487114		
Qty.	50 ST		

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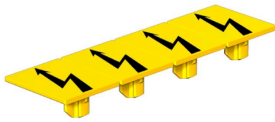
Warning covers with a flash symbol provide more safety for man and machine. They are used where external voltage must be indicated within the application.

General ordering data

Type	AAM 2.5 YE FLASH	Version	
Order No.	2635550000	A-series, Terminal marker, 8 x 5.1 mm, Pitch in mm (P): 5.00 yellow	
GTIN (EAN)	4050118674095		
Qty.	40 ST		

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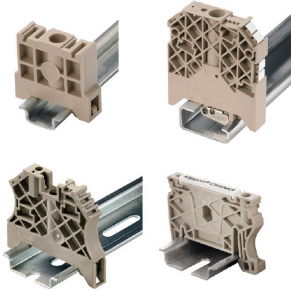
Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

General ordering data

Type	AEB 35 SCL/1 V0	Version	
Order No.	2661280000	A-series, End bracket	
GTIN (EAN)	4050118702163		
Qty.	20 ST		
Type	AEB 35 SCL/1 V0 BK	Version	
Order No.	2661300000	A-series, End bracket	
GTIN (EAN)	4050118702187		
Qty.	20 ST		
Type	AEB 35 SCL/1 V0 GY	Version	
Order No.	2661290000	A-series, End bracket	
GTIN (EAN)	4050118702170		
Qty.	20 ST		
Type	ZST 1	Version	
Order No.	1269070000	Accessories, Accessories holder	
GTIN (EAN)	4050118094091		
Qty.	25 ST		

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Accessories

Type	ZST	Version
Order No.	1678680000	Z-series, Accessories holder
GTIN (EAN)	4008190466770	
Qty.	10 ST	

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.	2749610000	Mounting tool, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade
GTIN (EAN)	4050118896350	thickness (A): 0.6 mm
Qty.	1 ST	