SPGTB 2.5 2T 4C/2 BL

Some applications demand for a pluggable, modular solution to be more flexible or to facilitate the installation. Where complete functional units have to be prefabricated or replaced, modular and flexible connection systems are required. Our pluggable terminal blocks can be quickly assembled and are completely factory tested.

General ordering data

Version	Pluggable terminal, SNAP IN, blue, 2.5 mm², 22 A, Number of connections: 4, Number of levels: 2, TS 35
Order No.	3051870000
Type	SPGTB 2.5 2T 4C/2 BL
GTIN (EAN)	4099987021661
Qty.	50 items

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SPGTB 2.5 2T 4C/2 BL

Technical data

Approvals

Approvals	C E

Dimensions and weights

Depth	51.7 mm	Depth (inches)	2.0354 inch
Height	96 mm	Height (inches)	3.7795 inch
Width	5.1 mm	Width (inches)	0.2008 inch
Net weight	14.19 g		

Temperatures

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	Colour	blue
Colour of operational elements	green	UL 94 flammability rating	V-0

System specifications

End cover plate required	Yes	Number of potentials	2
Number of levels	2	Number of clamping points per level	2
Levels cross-connected internally	No	PE connection	No
Mounting rail	TS 35	N-function	No
PE function	No	PEN function	No

Additional technical data

Open sides	right	Snap-on	Yes
Type of fixing	Snap-on	Explosion-tested version	No
Type of mounting	TS 35		

Conductors for clamping (additional connection)

Connection type, additional connection	pluggable

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A2	Wire connection cross section AWG, max.	AWG 12
Connection direction	top	Stripping length	10 mm
Type of connection	SNAP IN	Number of connections	4
Clamping range, max.	2.5 mm²	Clamping range, min.	0.34 mm²

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Weidmüller ⢿

Technical data

Blade size	0.6 x 3.5 mm	Wire connection cross section AWG, min.	AWG 22
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.	0.34 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	2.5 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.34 mm²
Wire connection cross-section, finely stranded, max.	4 mm²	Wire connection cross-section, finely stranded, min.	0.34 mm²
Connection cross-section, stranded, max.	2.5 mm²	Connection cross-section, stranded, min.	0.34 mm²
Wire connection cross-section, solid core, max.	2.5 mm²	Wire connection cross-section, solid core, min.	0.34 mm²

General

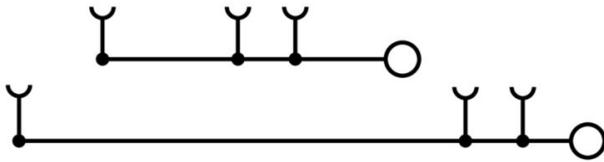|			
Wire connection cross section AWG, max.	AWG 12	Wire connection cross section AWG, min.	AWG 22
Standards	IEC 60947-7-1	Mounting rail	TS 35

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 mW	Surge voltage category	III
Pollution severity	3		

Classifications

ETIM 8.0	EC000897	ETIM 9.0	EC000897
ETIM 10.0	EC000897	ECLASS 14.0	27-25-01-17
ECLASS 15.0	27-25-01-17		

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Drawings

SPGTB 2.5 2T 4C/2 BL

Accessories

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.

General ordering data

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/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		

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	SEP 2T 2.5	Version	
Order No.	2913480000	End plate for terminals, dark beige, Height: 94.48 mm, Width: 2.1	
GTIN (EAN)	4099986539051	mm, V-0, Wemid, Snap-on: Yes	
Qty.	20 ST		
Type	SEP 2T 2.5 BL	Version	
Order No.	2913490000	End plate for terminals, blue, Height: 94.48 mm, Width: 2.1 mm, V-0,	
GTIN (EAN)	4099986539068	Wemid, Snap-on: Yes	
Qty.	20 ST		

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Accessories

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		
Type	AEB 35 SCL/1 V0	Version	
Order No.	2661280000	A-series, End bracket	
GTIN (EAN)	4050118702163		
Qty.	20 ST		

Plugs

The plugs for our WeiCoS-System are available for all different connection systems. The product range includes preassembled connectors from 1 to 10 poles and the possibility of an individual assembly. This ensures maximum flexibility for every application. The customized accessories increase the safety and protection against environmental influences.

General ordering data

Type	SPG 2.5/1	Version	
Order No.	3030250000	Plug (terminal), SNAP IN, 2.5 mm², 24 A, 800 V, Number of	
GTIN (EAN)	4099986973275	connections: 1, Number of poles: 1, Width: 5.1 mm	
Qty.	50 ST		
Type	SPG 2.5/10	Version	
Order No.	3030100000	Plug (terminal), SNAP IN, 2.5 mm², 24 A, 800 V, Number of	
GTIN (EAN)	4099986973121	connections: 10, Number of poles: 10, Width: 51 mm	
Qty.	10 ST		
Type	SPG 2.5 L	Version	
Order No.	3030160000	Plug (terminal), SNAP IN, 2.5 mm², 24 A, 800 V, Number of	
GTIN (EAN)	4099986973183	connections: 1, Number of poles: 1, Width: 5.1 mm	
Qty.	50 ST		
Type	SPG 2.5 MI	Version	
Order No.	3030090000	Plug (terminal), SNAP IN, 2.5 mm², 24 A, 800 V, Number of	
GTIN (EAN)	4099986973114	connections: 1, Number of poles: 1, Width: 5.1 mm	
Qty.	50 ST		

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Accessories

| Type	SPG 2.5 R	Version
Order No.	3030190000	Plug (terminal), SNAP IN, 2.5 mm², 24 A, 800 V, Number of
GTIN (EAN)	4099986973213	connections: 1, Number of poles: 1, Width: 5.1 mm
Qty.	50 ST	

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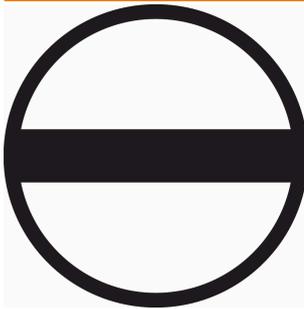
VDE insulated screwdriver sets, for working on live parts up to 1000 V AC and 1500 V DC, DIN EN 60900. IEC 900. Each piece is "GS" safety tested. Blade made from fully hardened, high-alloy chromium-vanadium-molybdenum steel, gun-metal finish.

General ordering data

Type	SDIL 0,6X3,5X100	Version
Order No.	2749140000	Screwdriver, Blade width (B): 3.5 mm, 100 mm, Blade thickness (A):
GTIN (EAN)	4050118895445	0.6 mm
Qty.	1 ST	

Plus
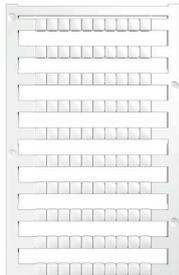
The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.
Strips for fast installation in only one work step. The printing is easy 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.	1854490000	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4032248393596	Weidmueller, white
Qty.	1000 ST	

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Accessories

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.	2007110000	Dekafix, Terminal marker, 5 x 5 mm, Weidmueller, white	
GTIN (EAN)	4050118391862		
Qty.	800 ST		

WS 8/5

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	WS 8/5 MM WS	Version	
Order No.	2007150000	WS, Terminal marker, 8 x 5 mm, Weidmueller, white	
GTIN (EAN)	4050118392029		
Qty.	800 ST		

SPGTB 2.5 2T 4C/2 BL

Accessories

Blank
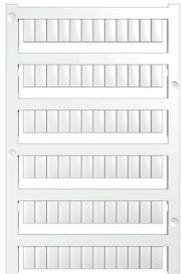
WS markers are the perfect match for the W-series connectors. Thanks to their system compatibility, the WS tags can also be used with the I-series and the Z-series. The large marking surfaces do not only permit long character strings but also multi-line text.
WS markers are ideal for labels with long, 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.	2003770000	WS, Terminal marker, 10 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,
GTIN (EAN)	4050118424447	Allen-Bradley, white
Qty.	600 ST	

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.

Accessories

General ordering data

Type	FZS 2/4 RT/80 SAKT4	Version	
Order No.	1276300000	Plug (terminal), Plug-in connection, 2 mm², Number of connections: 2,	
GTIN (EAN)	4008190026080	Number of poles: 1, Width: 9 mm	
Qty.	20 ST		