

**SPG 2.5/1****Weidmüller Interface GmbH & Co. KG**Klingenbergstraße 26  
D-32758 Detmold  
Germany

www.weidmueller.com



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**

Version	Plug (terminal), SNAP IN, 2.5 mm <sup>2</sup> , 24 A, 800 V, Number of connections: 1, Number of poles: 1, Width: 5.1 mm
Order No.	<a href="#">3030250000</a>
Type	SPG 2.5/1
GTIN (EAN)	4099986973275
Qty.	50 items

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## Technical data

### Dimensions and weights

Depth	42.5 mm	Depth (inches)	1.6732 inch
Height	16.5 mm	Height (inches)	0.6496 inch
Width	5.1 mm	Width (inches)	0.2008 inch
Net weight	3.69 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	Colour	dark beige
Colour of operational elements	green	UL 94 flammability rating	V-0

### System specifications

End cover plate required	No	Number of potentials	1
Number of levels	1		

### Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A3	Wire connection cross section AWG, max.	AWG 14
Connection direction	top	Stripping length	10 mm
Type of connection	SNAP IN	Number of connections	1
Clamping range, max.	2.5 mm <sup>2</sup>	Clamping range, min.	0.34 mm <sup>2</sup>
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 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.34 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	2.5 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.34 mm <sup>2</sup>
Wire connection cross section, finely stranded, max.	2.5 mm <sup>2</sup>	Wire connection cross section, finely stranded, min.	0.34 mm <sup>2</sup>
Connection cross-section, stranded, max.	2.5 mm <sup>2</sup>	Connection cross-section, stranded, min.	0.34 mm <sup>2</sup>
Wire connection cross-section, solid core, max.	2.5 mm <sup>2</sup>	Wire connection cross-section, solid core, min.	0.34 mm <sup>2</sup>

### General

Number of poles	1	Wire connection cross section AWG, max.	AWG 14
Wire connection cross section AWG, min.	AWG 22	Standards	In accordance with IEC 60947-7-1

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### Rating data

Rated cross-section	2.5 mm <sup>2</sup>	Rated voltage	800 V
Rated DC voltage	800 V	Nominal current	24 A
Current at maximum wires	24 A	Standards	In accordance with 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	EC002848	ETIM 9.0	EC002848
ETIM 10.0	EC002848	ECLASS 14.0	27-25-03-90
ECLASS 15.0	27-25-03-90		

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## Accessories

## 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.

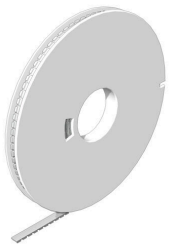
Your benefits with MultiMark

- 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.	<a href="#">2007150000</a>		WS, Terminal marker, 8 x 5 mm, Weidmueller, white
GTIN (EAN)	4050118392029		
Qty.	800 ST		

## 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

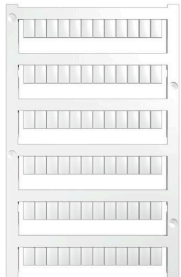
- Firm hold and durable printing
- Continuous strips save installation time
- Easy mounting thanks to an innovative composite material
- Large label field for optimal legibility
- High flexibility thanks to manufacturer independence

## 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 ST		

## 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 8/5 PLUS MC NE WS	Version
Order No.	<a href="#">1951870000</a>	WS, Terminal marker, 8 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,
GTIN (EAN)	4032248631605	Allen-Bradley, white
Qty.	600 ST	
Type	WS 8/5 MC NE WS	Version
Order No.	<a href="#">1640740000</a>	WS, Terminal marker, 8 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,
GTIN (EAN)	4008190279103	Allen-Bradley, white
Qty.	720 ST	
Type	DEK 5/5 S MC NE WS	Version
Order No.	<a href="#">1341620000</a>	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4050118145793	Weidmueller, white
Qty.	400 ST	
Type	DEK 5/5 MC NE WS	Version
Order No.	<a href="#">1609801044</a>	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190397111	Weidmueller, white
Qty.	1000 ST	

### Plugs



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### General ordering data

Type	APGSR 2.5/4 - 8P	Version
Order No.	<a href="#">2457600000</a>	Strain relief (terminal), Wemid, orange
GTIN (EAN)	4050118472929	
Qty.	25 ST	

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## Accessories

Type	APGSR 2.5/4 - 4P	Version
Order No.	<a href="#">2457590000</a>	Strain relief (terminal), Wemid, orange
GTIN (EAN)	4050118472967	
Qty.	25 ST	
Type	APGSR 2.5/4	Version
Order No.	<a href="#">2457580000</a>	Strain relief (terminal), Wemid, orange
GTIN (EAN)	4050118472998	
Qty.	25 ST	
Type	APGLE 2.5/4	Version
Order No.	<a href="#">2457570000</a>	Locking clips (terminal), Wemid, orange
GTIN (EAN)	4050118473100	
Qty.	25 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	FZS 2/4 RT/80 SAKT4	Version
Order No.	<a href="#">1276300000</a>	Plug (terminal), Plug-in connection, 2 mm <sup>2</sup> , Number of connections: 2,
GTIN (EAN)	4008190026080	Number of poles: 1, Width: 9 mm
Qty.	20 ST	