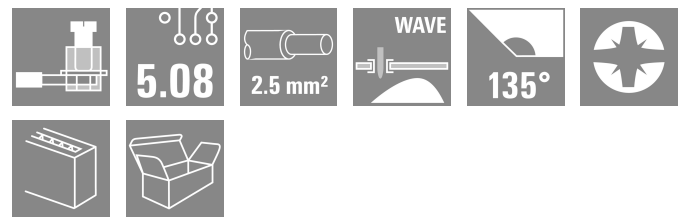


## LM SPE 5.08/02/135 3.5SN OR BX

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

www.weidmueller.com



### Single Pair Ethernet PCB terminals

Simple and efficient SPE solutions for the PCB

Features and benefits:

- Reliable data transmission at 10 Mbit/s up to 1,000 meters
- Suitable for all IIoT devices for easy integration of field devices. The SPE PCB components are a cost-effective alternative to standardized SPE connectors
- Optionally available with PUSH IN, SNAP IN or screw connection for high contact and vibration resistance
- Error-free installation of components thanks to appropriate markings.
- The PCB terminal blocks can be used as a two-pole variant for unshielded or as a three-pole variant for shielded applications
- Thanks to the "Power over Data Line" (PoDL) function, up to 50 W can be transmitted in accordance with IEEE 802.3bu

### General ordering data

Version	Printed circuit board terminals, block assembly, closed side, THT solder connection, 5.08 mm, Number of poles: 2, Solder pin length (l): 3.5 mm, tinned, orange, Box
Order No.	<a href="#">3089370000</a>
Type	LM SPE 5.08/02/135 3.5SN OR BX
GTIN (EAN)	4099987106528
Qty.	500 items
Packaging	Box

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## Technical data

## Approvals

ROHS	Conform
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## Dimensions and weights

Depth	13.9 mm	Depth (inches)	0.5472 inch
Height	19 mm	Height (inches)	0.748 inch
Height of lowest version	15.5 mm	Width	10.71 mm
Width (inches)	0.4217 inch	Net weight	2.48 g

## Environmental Product Compliance

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

## System specifications

Number of poles	2	Solder pin length (l)	3.5 mm
Mounting onto the PCB	THT solder connection	Pitch in inches (P)	0.200 "
Side termination, characteristic	closed side	Solder eyelet hole diameter tolerance (D)+	0,1 mm
Transmission rate	10 / 100 Mbps	Number of solder pins per pole	1
Solder eyelet hole diameter (D)	1.3 mm	Category	T1-B
Pitch in mm (P)	5.08 mm	Protection degree	IP20
Performance-Category	T1-B 10 / 100 Mbps	Soldering process	Manual soldering, Wave soldering
Solder pin dimensions	0.95 x 0.8 mm		

## Electrical properties

Volume resistance	1.20 mΩ	Insulation resistance	≥ 108 Ω
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## Material data

Insulating material	Wemid (PA)	Colour	orange
Colour chart (similar)	RAL 2000	Insulating material group	I
Comparative Tracking Index (CTI)	≥ 600	Insulation resistance	≥ 108 Ω
Moisture Level (MSL)		UL 94 flammability rating	V-0
Contact base material	Copper alloy	Contact material	Copper alloy
Contact surface	tinned	Coating	1-3 μm Ni, 4-6 μm SN
Tinning type	matt	Layer structure of solder connection	1...3 μm Ni / 4...6 μm Sn matt
Storage temperature, min.	-40 °C	Storage temperature, max.	70 °C
Operating temperature, min.	-50 °C	Operating temperature, max.	120 °C
Temperature range, installation, min.	-25 °C	Temperature range, installation, max.	120 °C

## Packing

Packaging	Box	VPE length	333.00 mm
VPE width	153.00 mm	VPE height	55.00 mm

## Important note

Notes

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## Technical data

### Classifications

ETIM 8.0	EC002643	ETIM 9.0	EC002643
ETIM 10.0	EC002643	ECLASS 14.0	27-46-01-01
ECLASS 15.0	27-46-01-01		

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**Drawings**

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