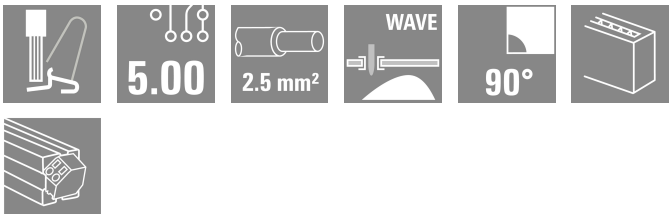
Data sheet

MTS SPE 5/03 H T4 B T

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, PCB terminal, closed side, THT solder connection, 5.00 mm, Number of poles: 3, Solder pin length (l): 3.5 mm, tinned, black, Tube
Order No.	3095910000
Type	MTS SPE 5/03 H T4 B T
GTIN (EAN)	4099987119412
Qty.	31 items
Packaging	Tube

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Technical data

Approvals

ROHS	Conform

Dimensions and weights

Depth	18.85 mm	Depth (inches)	0.7421 inch
Height	16.7 mm	Height (inches)	0.6575 inch
Height of lowest version	13.2 mm	Width	17.3 mm
Width (inches)	0.6811 inch	Net weight	7.92 g

Temperatures

Ambient temperature	-50 °C...125 °C	Installation temperature	-50 °C to +70 °C

Environmental Product Compliance

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

System specifications

Number of poles	3	Solder pin length (l)	3.5 mm
Mounting onto the PCB	THT solder connection	Pitch in inches (P)	0.197 "
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	2
Solder eyelet hole diameter (D)	1.3 mm	Category	T1-B
Pitch in mm (P)	5.00 mm	Protection degree	IP20
Performance-Category	T1-B 10 / 100 Mbps	Soldering process	Manual soldering, Wave soldering
Solder pin dimensions	0.6 x 0.8 mm		

Material data

Insulating material	PA 9T	Colour	black
Colour of operational elements	orange	Colour chart (similar)	RAL 9011
Insulating material group	I	Comparative Tracking Index (CTI)	≥ 600
Moisture Level (MSL)	1	UL 94 flammability rating	V-0
Contact base material	Copper alloy	Contact material	Cu-alloy
Contact surface	tinned	Tinning type	matt
Storage temperature, min.	-25 °C	Storage temperature, max.	55 °C
Operating temperature, min.	-50 °C	Operating temperature, max.	120 °C

Packing

Packaging	Tube	VPE length	0.00 mm
VPE width	0.00 mm	VPE height	0.00 mm

Important note

Notes

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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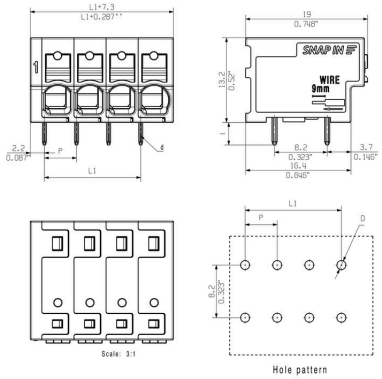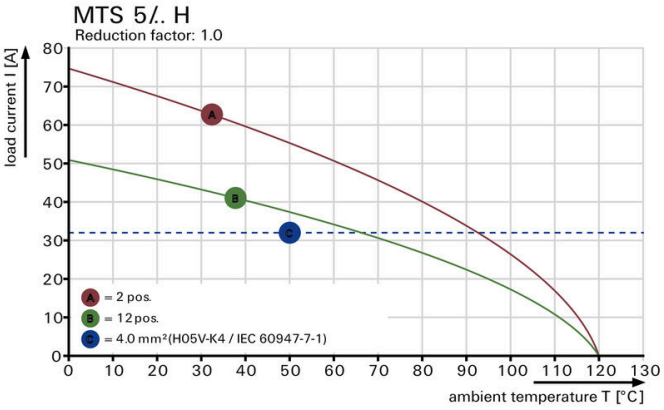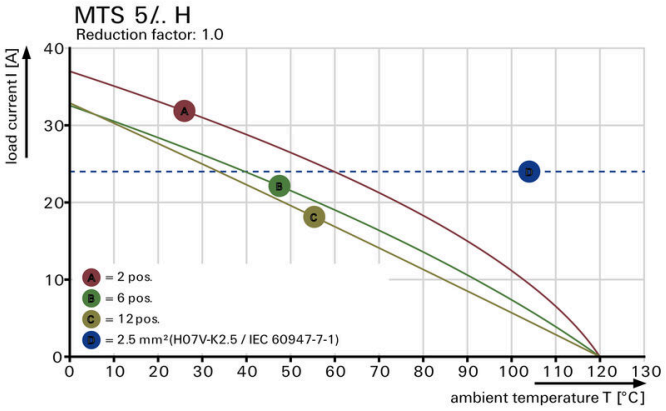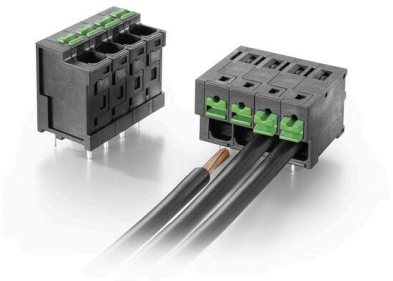
Drawings