

## M8-PCB-THR-2PC-2P-SPE-F-STR-SHLD



Image is for illustration purposes only. Please refer to product description.

### Identification

Category	Connectors
Series	HARTING T1 Industrial Circular connectors M8
Element	PCB connector

### Version

Termination method	Reflow soldering termination (THR)
Gender	Female
Shielding	Fully shielded, 360° shielding contact
Number of contacts	2
further contacts	+ shielding

### Technical characteristics

Rated current	4 A
Rated voltage	60 V DC
Transmission characteristics	4 GHz Bandwidth
	10 Mbit/s
	100 Mbit/s
Data rate	1 Gbit/s
	2.5 Gbit/s
	5 Gbit/s
	10 Gbit/s
Contact resistance	$\leq 20 \text{ m}\Omega$
Shielding resistance	$\leq 100 \text{ m}\Omega$
Limiting temperature	-40 ... +85 °C

## Technical characteristics

Mating cycles	≥100
Test voltage $U_{DC}$	1 kV (contact-contact) 2.25 kV (contact-ground)
Moisture Sensitivity Level (MSL)	1 acc. to ECA/IPC/JEDEC J-STD-020D
Process Sensitivity Level (PSL)	R0 acc. to ECA/IPC/JEDEC J-STD-020D

## Specifications and approvals

Specifications	IEC 63171-6 IEEE 802.3bu (remote power supply over PoDL = Power over Data Line) IEEE 802.3cg (10BASE-T1) IEEE 802.3bw (100BASE-T1) IEEE 802.3bp (1000BASE-T1) IEEE 802.3ch (2.5GBASE-T1 / 5GBASE-T1 / 10GBASE-T1)
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## Commercial data

Packaging size	150
Net weight	6.667 g
Country of origin	Germany
European customs tariff number	85366990
GTIN	5713140336728
eCl@ss	27460201 PCB connector (board connector)
UNSPSC 24.0	39121415