

## M12 transf. 10GBASE-T x STR



Part number	21 03 381 2818
Specification	M12 transf. 10GBASE-T x STR
HARTING eCatalogue	<a href="https://b2b.harting.com/21033812818">https://b2b.harting.com/21033812818</a>

### Identification

Category	Connector
Series	Circular connectors M12
Identification	M12 Magnetics
Element	PCB adapter
Specification	with integrated transformer Straight

### Version

Termination method	Reflow soldering termination (SMT)
Gender	Female
Shielding	Shielded
Number of contacts	8
Coding	X-coding

### Technical characteristics

Rated current	0.8 A
Rated voltage	57 V
Rated impulse voltage	1.5 kV
Pollution degree	3
Insulation resistance	> 10 <sup>8</sup> Ω
Contact resistance	≤10 mΩ
Ambient temperature	-40 ... +85 °C +245 °C for reflow soldering
Mating cycles	≥100



Pushing Performance

## Technical characteristics

Degree of protection acc. to IEC 60529	IP65 / IP67 when mated
Transmission characteristics	Cat. 6 <sub>A</sub> Class E <sub>A</sub> up to 500 MHz
Data rate	10 Gbit/s

## Material properties

Material (insert)	LCP
Material (contacts)	Brass
Surface (contacts)	Gold plated
RoHS	compliant with exemption
RoHS exemptions	6c: Copper alloy containing up to 4 % lead by weight 7c-l: Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound
ELV status	compliant with exemption
China RoHS	50
REACH Annex XVII substances	No
REACH ANNEX XIV substances	No
REACH SVHC substances	Yes
REACH SVHC substances	Lead

## Specifications and approvals

Specifications	IEC 61076-2-109
----------------	-----------------

## Commercial data

Packaging size	1
Net weight	10.06 g
Country of origin	China
European customs tariff number	8536901900
eCl@ss	27440402 PCB connector