

M12 MAGNETICS X-CODED STRAIGHT POE 1GB



Part number	21 03 381 2824
Specification	M12 MAGNETICS X-CODED STRAIGHT POE 1GB
HARTING eCatalogue	https://b2b.harting.com/21033812824

Identification

Category	Connectors
Series	Circular connectors M12
Identification	Magnetics
Element	PCB adapter
Specification	with integrated transformer Straight incl. housing PoE enabled for front mounting

Version

Termination method	Reflow soldering termination (SMT)
Gender	Female
Locking type	Screw locking PushPull
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	$>10^8 \Omega$
Contact resistance	$\leq 10 \text{ m}\Omega$



Pushing Performance

Technical characteristics

Ambient temperature	-40 ... +85 °C +245 °C for reflow soldering
Tightening torque	2 Nm Lock nut
Mating cycles	≥100
Degree of protection acc. to IEC 60529	IP65 / IP67 when mated
Transmission characteristics	Cat. 6 _A Class E _A up to 500 MHz
Data rate	1 Gbit/s

Material properties

Material (insert)	Liquid crystal polymer (LCP)
Material (contacts)	Brass
Surface (contacts)	Gold plated
RoHS	compliant with exemption
RoHS exemptions	6(c): Copper alloy containing up to 4 % lead by weight 7(c)-I: 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
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Commercial data

Packaging size	1
Net weight	23 g
Country of origin	China
European customs tariff number	85366990
eCl@ss	27440402 PCB connector