

M12 MAGNETICS X-CODED ANGLED POE 1GB



| | |
|--------------------|---|
| Part number | 21 03 381 4826 |
| Specification | M12 MAGNETICS X-CODED ANGLED POE 1GB |
| HARTING eCatalogue | https://b2b.harting.com/21033814826 |

Identification

| | |
|----------------|--|
| Category | Connector |
| Series | Circular connectors M12 |
| Identification | M12 Magnetics |
| Element | PCB adapter |
| Specification | with integrated transformer Angled PoE enabled for front mounting |

Version

| | |
|--------------------|------------------------------------|
| Termination method | Reflow soldering termination (SMT) |
| Gender | Female |
| Shielding | Shielded |
| Number of contacts | 8 |
| Coding | X-coding |
| Pack contents | incl. housing |

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 | $\leq 10 \text{ m}\Omega$ |
| Ambient temperature | -40 ... +85 °C |



Pushing Performance

Technical characteristics

| | |
|--|--|
| | +245 °C for reflow soldering |
| 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

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|-----------------------------|--|
| 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-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 |
|----------------|-----------------|

Commercial data

| | |
|--------------------------------|------------------------|
| Packaging size | 1 |
| Net weight | 23 g |
| Country of origin | China |
| European customs tariff number | 8536901900 |
| eCl@ss | 27440402 PCB connector |