

HARAX M12-L shielded female 4-pole D-cod



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|--------------------|---------------------------------------------------------------------------------------|
| Part number | 21 03 282 2405 |
| Specification | HARAX M12-L shielded female 4-pole D-cod |
| HARTING eCatalogue | https://b2b.harting.com/21032822405 |

Identification

| | |
|----------------|-------------------------|
| Category | Connector |
| Series | Circular connectors M12 |
| Identification | M12-L |
| Element | Cable connector |
| Specification | Straight |

Version

| | |
|--------------------|------------------------------------------|
| Termination method | HARAX [®] connection technology |
| Gender | Female |
| Locking type | Screw locking |
| Shielding | Shielded |
| Number of contacts | 4 |
| Coding | D-coding |

Technical characteristics

| | |
|-------------------------|-------------------------------|
| Conductor cross-section | 0.34 ... 0.75 mm ² |
| Conductor cross-section | AWG 22 ... AWG 18 |
| Wire outer diameter | ≤2 mm |
| Rated current | 4 A |
| Rated voltage | 50 V |
| Rated impulse voltage | 1.5 kV |
| Pollution degree | 3 |
| Insulation resistance | >10 ⁸ Ω |
| Contact resistance | ≤10 mΩ |



Pushing Performance

Technical characteristics

| | |
|----------------------------------------|------------------------------------|
| Ambient temperature | -40 ... +85 °C |
| Tightening torque | 0.6 Nm |
| Wrench size | A/F 17 Knurled screw / knurled nut |
| Mating cycles | ≥100 |
| Degree of protection acc. to IEC 60529 | IP65 / IP67 when mated |
| Cable diameter | 4.5 ... 8.8 mm |
| Transmission characteristics | Cat. 5 Class D up to 100 MHz |
| Overvoltage category | III |
| Isolation group | I (600 ≤ CTI) |

Material properties

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|-----------------------------|--------------------------------------------------------|
| Material (insert) | Polyamide |
| Material (contacts) | Brass |
| Surface (contacts) | Gold plated |
| Material (hood/housing) | Zinc die-cast |
| RoHS | compliant with exemption |
| RoHS exemptions | 6(c): Copper alloy containing up to 4 % lead by weight |
| 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 61076-2-101 |
| UL / CSA | UL 1977 ECBT2.E102079 CSA-C22.2 No. 182.3 ECBT8.E102079 |

Commercial data

| | |
|--------------------------------|----------|
| Packaging size | 10 |
| Net weight | 55.2 g |
| Country of origin | Germany |
| European customs tariff number | 85366990 |



Pushing Performance

Commercial data

eCl@ss

27440102 Circular connector (for field assembly)