

Circular Connector Harax M12 L4 M D-code



Part number	21 03 281 1405
Specification	Circular Connector Harax M12 L4 M D- code
HARTING eCatalogue	https://b2b.harting.com/21032811405
Identification	
Category	Connector
Series	Circular connectors M12
Identification	M12-L
Element	Cable connector
Specification	Straight

Version

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

Technical characteristics

Conductor cross-section	0.14 0.34 mm²
Conductor cross-section	AWG 26 AWG 22
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
Ambient temperature	-40 +85 °C -5 +50 °C During connection
Tightening torque	0.6 Nm
Wrench size	A/F 17 Knurled screw / knurled nut

Page 1 / 2 | Creation date 2018-11-02 | Please note that the data specified here were taken as extracts from the online catalogue. Please refer to the user documentation for the complete and up-to-date information and data. Please also note that the user is responsible for validating functionality, conformity with applicable laws and directives, as well as for the electrical safety in the particular application. HARTING Electronics GmbH | Marienwerderstraße 3 | 32339 Espelkamp | Germany Phone +49 5772 47-97200 | electronics@HARTING.com | www.HARTING.com



Technical characteristics

Mating cycles	≥100
Degree of protection acc. to IEC 60529	IP65 when mated 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	
Material (insert)	Polyamide
Material (contacts)	Brass
Surface (contacts)	Gold plated
Material (hood/housing)	Zinc die-cast
RoHS	compliant with exemption
RoHS exemptions	6c: 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

Specifications and approvals

REACH SVHC substances

UL / CSA	UL 1977 ECBT2.E102079 CSA-C22.2 No. 182.3 ECBT8.E102079
Commercial data	
Packaging size	1
Net weight	52.2 g
Country of origin	Germany
European customs tariff number	85366990

Lead

Page 2 / 2 | Creation date 2018-11-02 | Please note that the data specified here were taken as extracts from the online catalogue. Please refer to the user documentation for the complete and up-to-date information and data. Please also note that the user is responsible for validating functionality, conformity with applicable laws and directives, as well as for the electrical safety in the particular application. HARTING Electronics GmbH | Marienwerderstraße 3 | 32339 Espelkamp | Germany Phone +49 5772 47-97200 | electronics@HARTING.com | www.HARTING.com