

# circular Connector w. Harax M12 L4 M



Part number	21 03 212 1305
Specification	circular Connector w. Harax M12 L4 M
HARTING eCatalogue	https://b2b.harting.com/21032121305

#### Identification

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

### Version

Termination method	HARAX <sup>®</sup> connection technology
Gender	Male
Locking type	Screw locking
Shielding	Unshielded
Number of contacts	4
Coding	A-coding

### **Technical characteristics**

Conductor cross-section	0.34 0.75 mm²
Conductor cross-section	AWG 22 AWG 18
Wire outer diameter	≤2.6 mm
Rated current	6 A
Rated voltage	50 V
Rated impulse voltage	1.5 kV
Pollution degree	3
Insulation resistance	> 10 <sup>8</sup> Ω
Contact resistance	≤10 mΩ

Page 1 / 3 | Creation date 2019-04-17 | 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

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 when mated IP67 when mated
Cable diameter	6 8 mm
Overvoltage category	III
Isolation group	I (600 ≤ CTI)
Material properties	
Material (insert)	Polyamide
Material (contacts)	Brass
Surface (contacts)	Gold plated
Surface (contacts) Material (hood/housing)	Gold plated Polyamide Zinc die-cast
	Polyamide
Material (hood/housing)	Polyamide Zinc die-cast
Material (hood/housing) RoHS	Polyamide Zinc die-cast compliant with exemption
Material (hood/housing) RoHS RoHS exemptions	Polyamide         Zinc die-cast         compliant with exemption         6c: Copper alloy containing up to 4 % lead by weight
Material (hood/housing) RoHS RoHS exemptions ELV status	Polyamide         Zinc die-cast         compliant with exemption         6c: Copper alloy containing up to 4 % lead by weight         compliant with exemption
Material (hood/housing) RoHS RoHS exemptions ELV status China RoHS	Polyamide         Zinc die-cast         compliant with exemption         6c: Copper alloy containing up to 4 % lead by weight         compliant with exemption         50
Material (hood/housing) RoHS RoHS exemptions ELV status China RoHS REACH Annex XVII substances	Polyamide         Zinc die-cast         compliant with exemption         6c: Copper alloy containing up to 4 % lead by weight         compliant with exemption         50         No
Material (hood/housing)RoHSRoHS exemptionsELV statusChina RoHSREACH Annex XVII substancesREACH ANNEX XIV substances	Polyamide         Zinc die-cast         compliant with exemption         6c: Copper alloy containing up to 4 % lead by weight         compliant with exemption         50         No         No

## 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	1
Net weight	36.3 g
Country of origin	Germany
European customs tariff number	85366990

Page 2 / 3 | Creation date 2019-04-17 | 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 Product data sheet 21 03 212 1305 circular Connector w. Harax M12 L4 M



Commercial data

eCl@ss

27440102 Circular connector (for field assembly)

Page 3 / 3 | Creation date 2019-04-17 | 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