

# HARAX M12-S female 3-pole



Part number	21 03 111 2305
Specification	HARAX M12-S female 3-pole
HARTING eCatalogue	https://b2b.harting.com/21031112305

## Identification

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

#### Version

Termination method	HARAX <sup>®</sup> connection technology
Gender	Female
Locking type	Screw locking
Shielding	Unshielded
Number of contacts	3
Coding	A-coding

## **Technical characteristics**

Conductor cross-section	0.14 0.34 mm²
Conductor cross-section	AWG 26 AWG 22
Wire outer diameter	≤1.6 mm
Rated current	4 A
Rated voltage	32 V
Rated impulse voltage	1.5 kV
Pollution degree	3
Insulation resistance	> 10 <sup>8</sup> Ω
Contact resistance	≤10 mΩ

Page 1 / 2 | 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 13 Knurled screw / knurled nut
Mating cycles	≥100
Degree of protection acc. to IEC 60529	IP65 when mated IP67 when mated
Cable diameter	2.9 5.1 mm
Overvoltage category	III
Isolation group	I (600 ≤ CTI)
Material properties	
Material (insert)	Polyamide
Material (insert) Material (contacts)	Polyamide Brass
Material (contacts)	Brass
Material (contacts) Surface (contacts)	Brass Gold plated Polyamide
Material (contacts) Surface (contacts) Material (hood/housing)	Brass Gold plated Polyamide Zinc die-cast
Material (contacts) Surface (contacts) Material (hood/housing) RoHS	Brass Gold plated Polyamide Zinc die-cast compliant
Material (contacts) Surface (contacts) Material (hood/housing) RoHS ELV status	Brass Gold plated Polyamide Zinc die-cast compliant compliant
Material (contacts) Surface (contacts) Material (hood/housing) RoHS ELV status China RoHS	Brass Gold plated Polyamide Zinc die-cast compliant compliant

#### 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	23.2 g
Country of origin	Germany
European customs tariff number	85366990
eCl@ss	27440102 Circular connector (for field assembly)

Page 2 / 2 | 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