

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 [®] 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 ⁸ Ω
Contact resistance	≤10 mΩ

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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)

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