

## Circular Connector with Harax M 1 2/ 3-p



Image is for illustration purposes only. Please refer to product description.

Part number	21 03 111 1305
Specification	Circular Connector with Harax M 1 2/ 3-p
HARTING eCatalogue	<a href="https://b2b.harting.com/21031111305">https://b2b.harting.com/21031111305</a>

### Identification

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

### Version

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

### Technical characteristics

Conductor cross-section	0.14 ... 0.34 mm <sup>2</sup>
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
Overvoltage category	III



Pushing Performance

## Technical characteristics

Insulation resistance	$>10^8 \Omega$
Contact resistance	$\leq 10 \text{ m}\Omega$
Tightening torque	0.6 Nm
Wrench size (knurled screw / knurled nut)	13
Ambient temperature	-40 ... +85 °C
Mating cycles	$\geq 100$
Degree of protection acc. to IEC 60529	IP65 / IP67 mated condition
Cable diameter	2.9 ... 5.1 mm
Isolation group	I ( $600 \leq \text{CTI}$ )

## Material properties

Material (insert)	Polyamide (PA)
Material (contacts)	Brass
Surface (contacts)	Au over Ni Mating side
Material (hood/housing)	Polyamide (PA) Zinc die-cast
RoHS	compliant
ELV status	compliant
China RoHS	e
REACH Annex XVII substances	No
REACH ANNEX XIV substances	No
REACH SVHC substances	No
California Proposition 65 substances	Yes
California Proposition 65 substances	Nickel 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	1
Net weight	22 g
Country of origin	Germany



Pushing Performance

## Commercial data

European customs tariff number 85366990

eCl@ss 27440102 Circular connector (for field assembly)