Pushing Performance
Since 1945

HARAX M12-S female 4-pole



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

Part number	21 03 111 2405
Specification	HARAX M12-S female 4-pole
HARTING eCatalogue	https://harting.com/21031112405

Identification

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

Version

Termination method	HARAX® connection technology
Gender	Female
Shielding	Unshielded
Number of contacts	4
Coding	A-coding
Locking type	Screw locking

Technical characteristics

Conductor cross-section (mm²)	0.14 ... 0.34 mm²
Conductor cross-section (AWG)	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

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Technical characteristics

Insulation resistance	$>10^8$ Ω
Contact resistance	≤10 mΩ
Tightening torque	0.6 Nm
Wrench size (knurled screw / knurled nut)	13
Limiting temperature	-40 ... +85 °C
Mating cycles	≥100
Degree of protection acc. to IEC 60529	IP65 / IP67 mated condition
Cable diameter	2.9 ... 5.1 mm
Isolation group	I (600 ≤ 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	Not contained
REACH ANNEX XIV substances	Not contained
REACH SVHC substances	Not contained
California Proposition 65 substances	Yes
California Proposition 65 substances	Lead Nickel
Fire protection on railway vehicles	EN 45545-2 (2020-08) + A1 (2023-10)
Requirement set with Hazard Levels	R26

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

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Commercial data

Net weight	17 g
Country of origin	Germany
European customs tariff number	85366990
GTIN	5713140137226
eCl@ss	27440116 Circular connector (for field assembly)
ETIM	EC002635
UNSPSC 24.0	39121413

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