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Circular Connector w. Harax M12 L 3P F



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

Part number	21 03 212 2306
Specification	Circular Connector w. Harax M12 L 3P F
HARTING eCatalogue	https://harting.com/21032122306

Identification

Category	Connectors
Series	Circular connectors M12
Identification	M12-L
Element	Cable connector
Specification	Straight Deviating contact configuration

Version

Termination method	HARAX® connection technology
Gender	Female
Shielding	Unshielded
Number of contacts	3
Contact configuration	1, 3, 4
Coding	A-coding
Locking type	Screw locking

Technical characteristics

Conductor cross-section (mm²)	0.34 ... 0.75 mm²
Conductor cross-section (AWG)	AWG 22 ... AWG 18
Wire outer diameter	≤2.6 mm
Rated current	4 A
Rated voltage	50 V
Rated impulse voltage	1.5 kV

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Technical characteristics

Pollution degree	3
Overvoltage category	III
Insulation resistance	$>10^8$ Ω
Contact resistance	≤10 mΩ
Tightening torque	0.6 Nm
Wrench size (knurled screw / knurled nut)	17
Limiting temperature	-40 ... +85 °C
Mating cycles	≥100
Degree of protection acc. to IEC 60529	IP65 / IP67 mated condition
Cable diameter	6 ... 8 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 with exemption
RoHS exemptions	6(c): Copper alloy containing up to 4 % lead by weight
ELV status	compliant with exemption
China RoHS	50
REACH Annex XVII substances	Not contained
REACH ANNEX XIV substances	Not contained
REACH SVHC substances	Yes
REACH SVHC substances	Lead
ECHA SCIP number	0d7d3693-d625-47ab-934a-d241bf72c86e
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

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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	36.667 g
Country of origin	Romania
European customs tariff number	85366990
GTIN	5713140137318
eCl@ss	27440116 Circular connector (for field assembly)
ETIM	EC002635
UNSPSC 24.0	39121413

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