Pushing Performance
Since 1945

M12-Screw-8P-ACOD-F-ANG



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

Part number	21 03 319 4801
Specification	M12-Screw-8P-ACOD-F-ANG
HARTING eCatalogue	https://harting.com/21033194801

Identification

Category	Connectors
Series	Circular connectors M12
Element	Cable connector
Specification	Angled

Version

Termination method	Screw termination
Gender	Female
Shielding	Unshielded
Number of contacts	8
Coding	A-coding
Locking type	Screw locking

Technical characteristics

Conductor cross-section (mm²)	0.5 mm² max.
Conductor cross-section (AWG)	AWG 20
Rated current	2 A
Rated voltage	30 V
Rated impulse voltage	0.8 kV
Pollution degree	3
Overvoltage category	III
Insulation resistance	$>10^8$ Ω
Contact resistance	≤10 mΩ

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Technical characteristics

Tightening torque	0.6 Nm
Wrench size (knurled screw / knurled nut)	18
Limiting temperature	-30 ... +85 °C
Mating cycles	≥100
Degree of protection acc. to IEC 60529	IP67 mated condition
Cable diameter	4 ... 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
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 2238 CYJV.E302521 CSA-C22.2 No. 182.3 CYJV7.E302521

Commercial data

Packaging size	1

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Commercial data

Net weight	35.24 g
Country of origin	Slovakia
European customs tariff number	85366990
GTIN	5713140225220
eCl@ss	27440116 Circular connector (for field assembly)
ETIM	EC002635
UNSPSC 24.0	39121413

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