Pushing Performance
Since 1945

M12 Power IDC male L-coded



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

Part number	21 03 296 1505
Specification	M12 Power IDC male L-coded
HARTING eCatalogue	https://harting.com/21032961505

Identification

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

Version

Termination method	HARAX® connection technology
Gender	Male
Shielding	Shielded
Number of contacts	5
Number of power contacts	4
Number of special contacts	1x FE contact
Coding	L-coding
Locking type	Screw locking

Technical characteristics

Conductor cross-section (mm²)	0.75 ... 1.5 mm²
Conductor cross-section (AWG)	AWG 18 ... AWG 16
Rated current	12 A
Rated voltage	63 V
Rated impulse voltage	1.5 kV
Pollution degree	3

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Technical characteristics

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	5.8 ... 13.5 mm
Isolation group	I (600 ≤ CTI)

Material properties

Material (insert)	Polyamide (PA)
Colour (insert)	Grey
Material (contacts)	Copper alloy
Surface (contacts)	Au over Ni Mating side
Material (hood/housing)	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
PFAS	Yes
PFAS substances	Fluoroelastomers
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 61076-2-111

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Specifications and approvals

UL / CSA	UL 2238 CYJV2.E302521 CSA-C22.2 No. 182.3 CYJV8.E302521
PROFINET	Yes

Commercial data

Packaging size	1
Net weight	74 g
Country of origin	Romania
European customs tariff number	85366990
GTIN	5713140227248
eCl@ss	27440116 Circular connector (for field assembly)
ETIM	EC002635
UNSPSC 24.0	39121413

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