Pushing Performance

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://b2b.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	4
FE contact	Yes
Coding	L-coding
Locking type	Screw locking

Technical characteristics

Conductor cross-section	0.75 ... 1.5 mm²
Conductor cross-section	AWG 18 ... AWG 16
Rated current	12 A
Rated voltage	63 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)	17
Ambient 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	No
REACH ANNEX XIV substances	No
REACH SVHC substances	No
California Proposition 65 substances	Yes
California Proposition 65 substances	Nickel Lead Naphthalene

Specifications and approvals

Specifications	IEC 61076-2-111
PROFINET	Yes

Commercial data

Packaging size	1
Net weight	84.7 g

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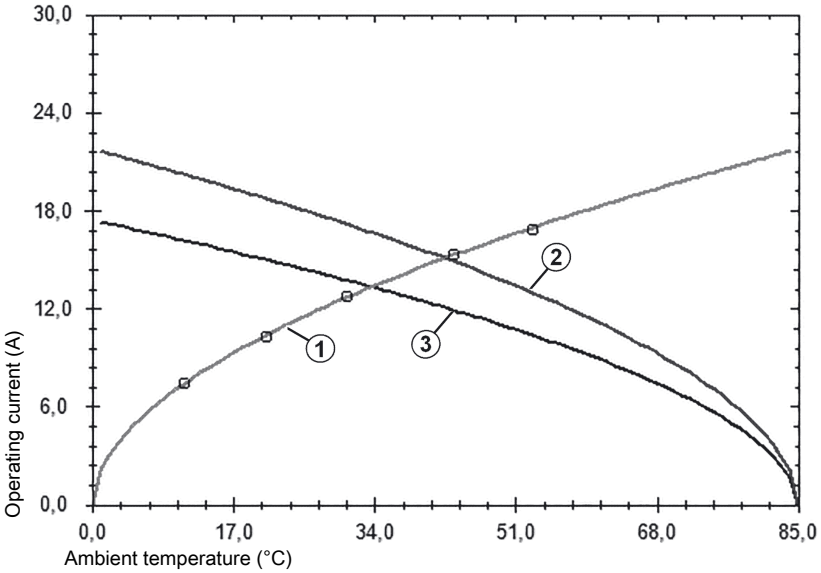
Commercial data

Country of origin	Romania
European customs tariff number	85366990
eCl@ss	27440102 Circular connector (for field assembly)

Current carrying capacity

The current carrying capacity of the connectors is limited by the thermal load capability of the contact element material including the connections and the insulating parts. The derating curve is therefore valid for currents which flow constantly (non-intermittent) through each contact element of the connector evenly, without exceeding the allowed maximum temperature.
Measuring and testing techniques acc. to IEC 60512-5-2



① Heating
② Derating curve
③ Derating curve 80%
Conductor cross-section 1.5 mm²

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