

M12-L shielded female 4-pole A-coded



Part number	21 03 221 2405
Specification	M12-L shielded female 4-pole A-coded
HARTING eCatalogue	https://b2b.harting.com/21032212405
Identification	
Category	Connector
Series	Circular connectors M12
Identification	M12-L
Element	Cable connector
Specification	Straight

Version

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

Technical characteristics

Conductor cross-section	0.14 0.34 mm²
Conductor cross-section	AWG 26 AWG 22
Wire outer diameter	≤1.6 mm
Rated current	4 A
Rated voltage	50 V
Rated impulse voltage	1.5 kV
Pollution degree	3
Insulation resistance	≥10 ⁸ Ω
Contact resistance	≤10 mΩ
Ambient temperature	-40 +85 °C -5 +50 °C During connection
Tightening torque	0.6 Nm
Wrench size	A/F 17 Knurled screw / knurled nut
Mating cycles	≥100

Page 1 / 2 | Creation date 2018-11-02 | Please note that the data specified here were taken as extracts from the online catalogue. Please refer to the user documentation for the complete and up-to-date information and data. Please also note that the user is responsible for validating functionality, conformity with applicable laws and directives, as well as for the electrical safety in the particular application. HARTING Electronics GmbH | Marienwerderstraße 3 | 32339 Espelkamp | Germany Phone +49 5772 47-97200 | electronics@HARTING.com | www.HARTING.com



Technical characteristics

Cable diameter4.5 8.8 mmOvervoltage categoryIIIIsolation groupI (600 ≤ CTI)Material propertiesPolyamideMaterial (insert)PolyamideMaterial (contacts)BrassSurface (contacts)Gold platedMaterial (hood/housing)Zinc die-castRoHScompliant with exemptionRoHS exemptions6c: Copper alloy containing up to 4 % lead by weightELV status50RACH ANNEX XIVI substancesNoREACH ANNEX XIVI substancesNoPLACH SUMC aubstancesYan	Degree of protection acc. to IEC 60529	IP65 when mated IP67 when mated
Isolation groupI (600 ≤ CTI)Material propertiesMaterial (insert)PolyamideMaterial (contacts)BrassSurface (contacts)Gold platedMaterial (hood/housing)Zinc die-castRoHScompliant with exemptionRoHS exemptions6c: Copper alloy containing up to 4 % lead by weightELV statuscompliant with exemptionChina RoHS50REACH ANNEX XIV substancesNoRoHS XIV substancesNo	Cable diameter	4.5 8.8 mm
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Material (insert)PolyamideMaterial (contacts)BrassSurface (contacts)Gold platedMaterial (hood/housing)Zinc die-castRoHScompliant with exemptionRoHS exemptions6c: Copper alloy containing up to 4 % lead by weightELV statuscompliant with exemptionChina RoHS50REACH Annex XVII substancesNoREACH ANNEX XIV substancesNo	Isolation group	I (600 ≤ CTI)
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ELV status compliant with exemption China RoHS 50 REACH Annex XVII substances No REACH ANNEX XIV substances No	RoHS	compliant with exemption
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REACH Annex XVII substances No REACH ANNEX XIV substances No	ELV status	compliant with exemption
REACH ANNEX XIV substances No	China RoHS	50
	REACH Annex XVII substances	No
	REACH ANNEX XIV substances	No
REAUTION SUbstatices Tes	REACH SVHC substances	Yes
REACH SVHC substances Lead	REACH SVHC substances	Lead

Specifications and approvals

UL / CSA	UL 1977 ECBT2.E102079 CSA-C22.2 No. 182.3 ECBT8.E102079
Commercial data	
Packaging size	1
Net weight	55 g

Country of origin	Germany
European customs tariff number	85366990