Pushing Performance
Since 1945

DIN-Signal coax m, 50Ohm for M-flat



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

Part number	09 03 000 6182
Specification	DIN-Signal coax m, 50Ohm for M-flat
HARTING eCatalogue	https://harting.com/09030006182

Identification

Category	Contacts
Series	DIN 41612 har-modular®
Type of contact	Coaxial contact
Description of the contact	Straight
Contacts for	DIN 41612 Type M-flat har-modular® M-flat module, female, straight

Version

Termination method	PCB solder termination
Gender	Male contact for female connectors
Connection type	Motherboard to daughtercard Mezzanine PCB to cable
Manufacturing process	Turned contacts

Technical characteristics

Rated current	≤1.5 A
Insulation resistance	$>10^9$ Ω
Contact resistance	≤10 mΩ for inner contact die ≤3 mΩ for outer ferrule
Impedance coaxial	50 Ω
Limiting temperature	-55 ... +125 °C

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Technical characteristics

Return loss	>26 dB @ 1 GHz >23 dB @ 2 GHz >22 dB @ 4 GHz >22 dB @ 6 GHz >22 dB @ 10 GHz
Insertion force	≤10 N
Withdrawal force	≥1 N
Performance level	1
Mating cycles	≥500
Test voltage $U_{r.m.s.}$	0.75 kV
Frequency	10 GHz

Material properties

Material (contacts)	Copper alloy
Surface (contacts)	Noble metal over Ni Mating side
Material (locking)	Thermoplastic
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	no requirements (flammable mass < 10g)

Specifications and approvals

Specifications	DIN 41626

Commercial data

Packaging size	30

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Commercial data

Net weight	1 g
Country of origin	Hungary
European customs tariff number	85366990
GTIN	5713140004023
eCl@ss	27440204 Contact for industrial connectors
ETIM	EC000796
UNSPSC 24.0	39121522

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