



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	<a href="https://harting.com/09030006182">https://harting.com/09030006182</a>

## 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 <sup>9</sup> 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	339476a1-86ba-49e9-ab4b-cd336420d72a
California Proposition 65 substances	Yes
California Proposition 65 substances	Lead Nickel

## Specifications and approvals

Specifications	DIN 41626
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## Commercial data

Packaging size	30
Net weight	1 g
Country of origin	Germany



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Commercial data

European customs tariff number	85366990
GTIN	5713140004023
eCl@ss	27440204 Contact for industrial connectors
ETIM	EC000796
UNSPSC 24.0	39121522