

# DIN-Signal coax m, 500hm for M-flat



| Part number        | 09 03 000 6182                      |
|--------------------|-------------------------------------|
| Specification      | DIN-Signal coax m, 500hm for M-flat |
| HARTING eCatalogue | https://harting.com/09030006182     |

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

### Identification

| Category  | Contacts  |
|---|---|
| Series  | DIN 41612   |
|   | har-modular <sup>®</sup>  |
| Type of contact   | Coaxial contact   |
| Description of the contact  | Straight  |
| Contacts for  | DIN 41612 Type M-flat   |
| Contacts for  | har-modular <sup>®</sup> M-flat module, female, straight  |
|   |   |
| Version   |   |
| Termination method  | PCB solder termination  |
| Gender  | Male contact for female connectors  |
|   | Motherboard to daughtercard   |
| Connection type   | Mezzanine   |
|   |   |
| Mary factorian anno 1   | PCB to cable  |
| Manufacturing process   |   |
| Manufacturing process Technical characteristics   | PCB to cable  |
|   | PCB to cable  |
| Technical characteristics   | PCB to cable<br>Turned contacts   |
| Technical characteristics<br>Rated current  | PCB to cable Turned contacts ≤1.5 A >10 <sup>9</sup> Ω ≤10 mΩ for inner contact die   |
| Technical characteristics<br>Rated current<br>Insulation resistance<br>Contact resistance | PCB to cable<br>Turned contacts<br>$\leq 1.5 \text{ A}$<br>$> 10^9 \Omega$<br>$\leq 10 \text{ m}\Omega$ for inner contact die<br>$\leq 3 \text{ m}\Omega$ for outer ferrule |
| Technical characteristics<br>Rated current<br>Insulation resistance                       | PCB to cable Turned contacts ≤1.5 A >10 <sup>9</sup> Ω ≤10 mΩ for inner contact die   |

Page 1 / 3 | Creation date 2025-02-12 | 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**

| Return loss                      | >26 dB @ 1 GHz<br>>23 dB @ 2 GHz<br>>22 dB @ 4 GHz<br>>22 dB @ 6 GHz<br>>22 dB @ 10 GHz |
|----------------------------------|---|
| Insertion force                  | ≤10 N   |
| Withdrawal force                 | ≥1 N  |
| Performance level                | 1   |
| Mating cycles                    | ≥500  |
| Test voltage U <sub>r.m.s.</sub> | 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<br>Nickel   |

## Specifications and approvals

| Specifications    | DIN 41626 |
|-------------------|-----------|
| 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                              |
| ETIM                           | EC000796                                   |
| eCl@ss                         | 27440204 Contact for industrial connectors |

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