

RC-07S1NA2H000 - Device connector rear mounting



1618494

<https://www.phoenixcontact.com/us/products/1618494>

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The figure shows the 12-pos.
product version

M23, Device connector rear mounting, application: Signal, series: RC, straight, shielded: yes, Screw locking mechanism, No. of pos.: 6, Direction of rotation: Standard, contact connection type: Socket, Solder-in connection, Axial O-ring, Panel thickness min.: 0.8 mm, Panel thickness max.: 6.5 mm, coding: N. This product is in the process of being discontinued. This product must no longer be considered for new projects. Please contact your sales representative for alternatives.

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1618494 |
| Packing unit | 12 pc |
| Minimum order quantity | 12 pc |
| Product key | ABRAFR |
| GTIN | 4046356977777 |
| Weight per piece (including packing) | 62.75 g |
| Weight per piece (excluding packing) | 57.548 g |
| Country of origin | DE |

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Technical data

Product properties

| | |
|--------------|-----------------------------------|
| Product type | Circular connectors (device side) |
|--------------|-----------------------------------|

Dimensions

| | |
|--------------------------|--------|
| Length of the solder pin | 3.5 mm |
| | 3.5 mm |

Connector

Insulating body

| | |
|---|--|
| Coding | N |
| Insertion/withdrawal cycles | 50 |
| Connection method | Solder-in connection |
| Contact switching type | Socket |
| Application | Signal |
| Number of positions | 7 |
| Direction of rotation | Standard |
| Connection profile | 6 |
| Contact diameter (Contact group 1) | 2 mm |
| Rated current Contact (Contact group 1) | 20 A (for max. connection cross section) |
| Rated voltage Contact (Contact group 1) | 48 V AC |
| | 74 V DC |
| Rated surge voltage | 1.5 kV |
| Overvoltage category | III |
| Degree of pollution | 3 |

Housing

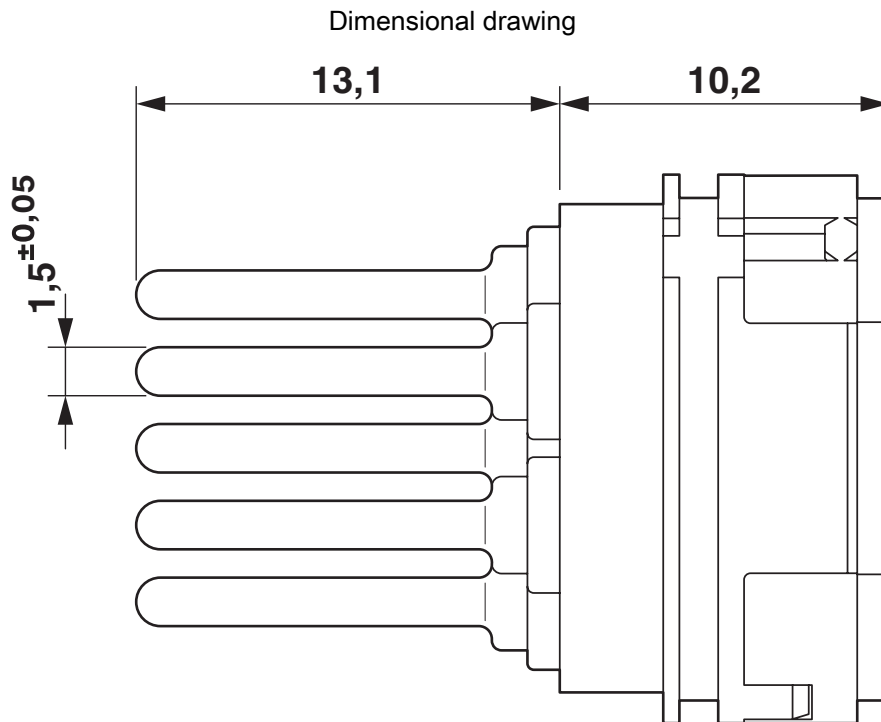
| | |
|-----------------------------------|---------------------------|
| Type | Feed-through header |
| Thread type | M23 |
| Design | straight |
| Type of locking | Screw locking mechanism |
| Pg screw connection | none |
| Mounting type | Rear mounting (M25 x 1,5) |
| Assembly note | Central fastening |
| Material (Housing) | GD-Zn |
| Material (Housing surface) | Ni |
| Material (Rotating parts) | CuZn |
| Degree of protection (plugged in) | IP67 |
| Seal for the device | Axial O-ring |

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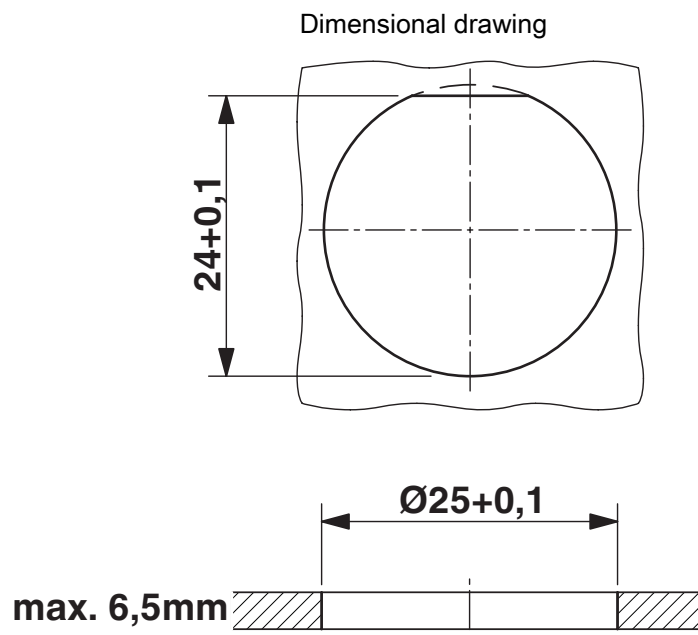
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Drawings

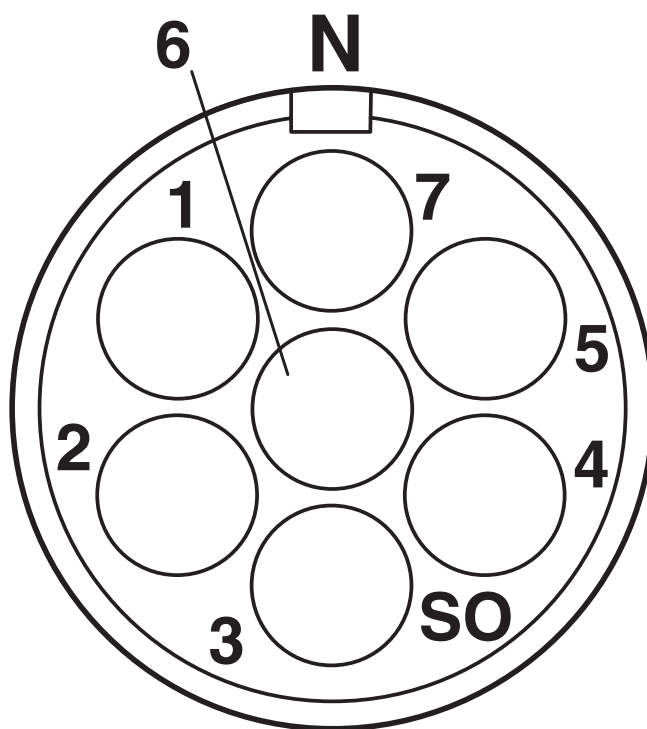


Dimensional drawing



Installation dimensions

Schematic diagram

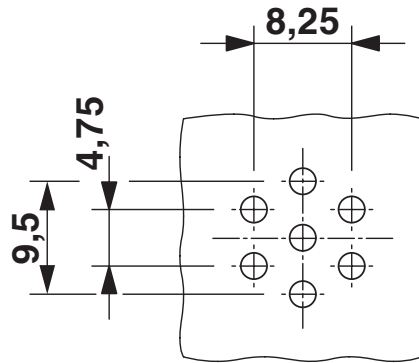


Connector pin assignment

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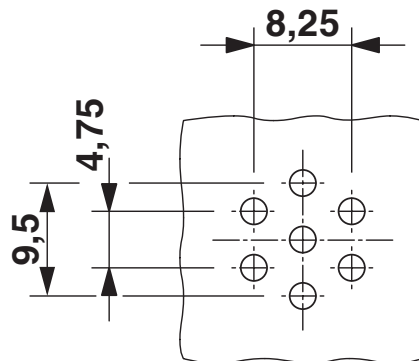
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Drilling plan/solder pad geometry



7-pos.

Drilling plan/solder pad geometry



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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27440109 |
| ECLASS-15.0 | 27440109 |

ETIM

| | |
|-----------|----------|
| ETIM 10.0 | EC003569 |
|-----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 39121400 |
|-------------|----------|

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Environmental product compliance

EU RoHS

| | |
|---|------|
| Fulfills EU RoHS substance requirements | Yes |
| Exemption | 6(c) |

China RoHS

| | |
|--|---|
| Environment friendly use period (EFUP) | EFUP-50 |
| | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

EU REACH SVHC

| | |
|-------------------------------------|--------------------------------------|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1) |
| SCIP | cc2995c5-d92e-4f55-b573-10c2a11f0550 |

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