

RC-09S1N8AB1NY - Front panel feed-through



1617796

<https://www.phoenixcontact.com/us/products/1617796>

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M23, Front panel feed-through, application: Signal, series: RC, straight, shielded: yes, Screw locking mechanism, No. of pos.: 8+1, Direction of rotation: Standard, contact connection type: Socket, Crimp connection, Flat gasket, Panel thickness min.: 3 mm, Panel thickness max.: 7 mm, cable diameter range: 7.5 mm ... 9.5 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.

The figure shows the product with assembled crimp contacts. Please order crimp contacts separately.

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1617796 |
| Packing unit | 20 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB31 |
| Product key | ABRAFJ |
| GTIN | 4046356739917 |
| Weight per piece (including packing) | 77.3 g |
| Weight per piece (excluding packing) | 73.693 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

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Technical data

Notes

| | |
|--------------------|--|
| Order information: | Order crimp contacts 8 x Ø 1 mm, 1 x Ø 2 mm separately |
|--------------------|--|

Product properties

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

Connector

Insulating body

| | |
|---|---|
| Note | Order information: Order crimp contacts 8 x Ø 1 mm, 1 x Ø 2 mm separately |
| Coding | N |
| Material (Insulating body) | PA 6.6 |
| Connection method | Crimp connection |
| Contact switching type | Socket |
| Application | Signal |
| Number of positions | 9 |
| Direction of rotation | Standard |
| Connection profile | 8+1 |
| Number (Contact group 1) | 1 |
| 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 |
| Number (Contact group 2) | 8 |
| Contact diameter (Contact group 2) | 1 mm |
| Rated current Contact (Contact group 2) | 8 A |
| Rated voltage Contact (Contact group 2) | 48 V AC 48 V AC |

Housing

| | |
|---------------------|--|
| Order information: | Order contact inserts and cable clamping/shield accessories separately |
| Type | Feed-through header |
| Thread type | M23 |
| Design | straight |
| Type of locking | Screw locking mechanism |
| Pg screw connection | none |
| Mounting type | Front mounting/square flange (4x Ø 3.2 mm) |
| Material (Housing) | Metal |

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| | |
|-----------------------------------|-------------|
| Degree of protection (plugged in) | IP67 |
| Seal for the device | Flat gasket |

Seal

| | |
|-------------------------|-------------------|
| External cable diameter | 7.5 mm ... 9.5 mm |
|-------------------------|-------------------|

Environmental and real-life conditions

Ambient conditions

| | |
|--|---------------|
| Permissible humidity (storage/transport) | 50 % ... 65 % |
|--|---------------|

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Drawings

Schematic diagram



Connector pin assignment

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Schematic diagram



Connector pin assignment

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Classifications

ECLASS

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

ETIM

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

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 39131500 |
|-------------|----------|

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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 | 5e32c848-26a7-44dc-a95c-ab37d03e9ce3 |

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