# Distributed I/O device - RL PN 24-2 DIO 8/8 2SCRJ - 2773513

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Digital I/O device for PROFINET; fiber optic connections to SCRJ standard, 2-port switch, 100Base-FX, fast startup, SNMPv2, TFTP, LLDP, PDev, eight inputs and outputs (24 V DC, max. 0.5 A), push/pull connection method, rugged metal housing, degree of protection IP67

## Product Features

- Rugged metal housing
- Comprehensive diagnostic functions
- M12 connector for I/O devices
- Push/pull connector for PROFINET, either with fiber optic or twisted pair
- Push/pull connector for supply voltage

## Key commercial data

| | |
|---|---|
| Packing unit | 1 pc |
| Custom tariff number | 85389091 |
| Country of origin | Germany |

## Technical data

### Note

| | |
|---|---|
| Utilization restriction | EMC: class A product, see manufacturer's declaration in the download area |

### Dimensions

| | |
|---|---|
| Width | 182.5 mm |
| Height | 71.5 mm |
| Depth | 79.8 mm |
| Note on dimensions | Without connector, with mounting plate |

### Ambient conditions

| | |
|---|---|
| Ambient temperature (operation) | -20 °C ... 55 °C |
| Ambient temperature (storage/transport) | -25 °C ... 85 °C |

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## Technical data

### Ambient conditions

| | |
|---|---|
| Permissible humidity (operation) | 100 % |
| Permissible humidity (storage/transport) | 95 % (non-condensing) |
| Air pressure (operation) | 860 hPa ... 1080 hPa (up to 1500 m above mean sea level) |
| Air pressure (storage/transport) | 660 hPa ... 1080 hPa (up to 3500 m above mean sea level) |
| Degree of protection | IP65/IP67 |

### General

| | |
|---|---|
| Weight | 1180 g |
| Note on weight specifications | Without plug or mounting plate |
| Mounting type | Wall mounting |
| Protection class | III, IEC 61140, EN 61140, VDE 0140-1 |
| Note | Seal unused slots/connections to ensure the degree of protection. |
| Test section | Between bus logic and outputs 500 V AC 50 Hz 1 min |

### Interfaces

| | |
|---|---|
| Fieldbus system | PROFINET |
| Designation | PROFINET |
| Connection method | VARIOSUB push-pull connectors |
| Transmission speed | 10/100 MBit/s (autonegotiation) |
| Transmission physics | FO |

### Power supply for module electronics

| | |
|---|---|
| Connection method | VARIOSUB push-pull connectors |
| Designation | US1 |
| Supply voltage | 24 V DC |
| Supply voltage range | 18.5 V DC ... 30 V DC (including ripple) |
| Ripple | Max 3.6 $V_{SS}$ within the permissible voltage range |

### Digital inputs

| | |
|---|---|
| Input name | Digital inputs |
| Connection method | M12 connector |
| | 2, 3, 4-wire |
| Number of inputs | 8 |
| Protective circuit | Electronic short-circuit/overload protection for each group Protection against polarity reversal |
| Input characteristic curve | IEC 61131-2 type 1 |

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## Classifications

### eCl@ss

| | |
|---|---|
| eCl@ss 4.0 | 27240404 |
| eCl@ss 4.1 | 27240404 |
| eCl@ss 5.0 | 27242204 |
| eCl@ss 5.1 | 27242604 |
| eCl@ss 6.0 | 27242604 |
| eCl@ss 7.0 | 27242604 |
| eCl@ss 8.0 | 27242604 |

### ETIM

| | |
|---|---|
| ETIM 4.0 | EC001599 |
| ETIM 5.0 | EC001599 |

### UNSPSC

| | |
|---|---|
| UNSPSC 6.01 | 43172015 |
| UNSPSC 7.0901 | 43201404 |
| UNSPSC 11 | 43172015 |
| UNSPSC 12.01 | 43201404 |
| UNSPSC 13.2 | 43201404 |

## Approvals

### Approvals

Approvals

PROFIBUS

Ex Approvals

Approvals submitted

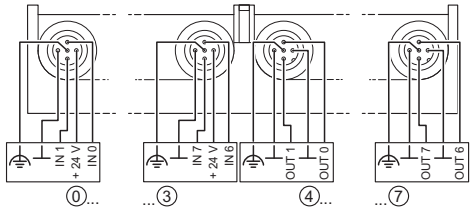
### Approval details

| |
|---|
| PROFIBUS |

## Drawings

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Connection diagram




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