

## Relay Module - PLC-RSC- 24DC/ 1/SEN - 2966223


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PLC-INTERFACE for input functions, consisting of PLC-BSC.../SEN basic terminal block with screw connection and plug-in miniature relay with power contact, for mounting on DIN rail NS 35/7,5, 1 N/O contact, input voltage 24 V DC



### Key Commercial Data

|                                      |                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit                         | 1 pc                                                                                                    |
| GTIN                                 | <br>4 017918 130701 |
| Weight per Piece (excluding packing) | 35.45 g                                                                                                 |
| Custom tariff number                 | 85364190                                                                                                |
| Country of origin                    | Germany                                                                                                 |

### Technical data

#### Note

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

#### Dimensions

|        |        |
|--------|--------|
| Width  | 6.2 mm |
| Height | 80 mm  |
| Depth  | 94 mm  |

#### Ambient conditions

|                                         |                  |
|-----------------------------------------|------------------|
| Ambient temperature (operation)         | -25 °C ... 60 °C |
| Ambient temperature (storage/transport) | -40 °C ... 85 °C |

#### Coil side

|                             |         |
|-----------------------------|---------|
| Nominal input voltage $U_N$ | 24 V DC |
|-----------------------------|---------|

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### Technical data

#### Coil side

|                                         |                                          |
|-----------------------------------------|------------------------------------------|
| Typical input current at $U_N$          | 9 mA                                     |
| Typical response time                   | 5 ms                                     |
| Typical release time                    | 8 ms                                     |
| Protective circuit                      | Damping diode, polarity protection diode |
| Operating voltage display               | yes                                      |
| Power dissipation for nominal condition | 0.22 W                                   |

#### Contact side

|                                       |                                                                                                                                                                                                                                               |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Contact type                          | 1 N/O contact                                                                                                                                                                                                                                 |
| Contact material                      | AgSnO                                                                                                                                                                                                                                         |
| Maximum switching voltage             | 250 V AC/DC (The separating plate PLC-ATP should be installed for voltages larger than 250 V (L1, L2, L3) between identical terminal blocks in adjacent modules. Potential bridging is then carried out with FBST 8-PLC... or ...FBST 500...) |
| Minimum switching voltage             | 12 V AC/DC                                                                                                                                                                                                                                    |
| Min. switching current                | 10 mA                                                                                                                                                                                                                                         |
| Maximum inrush current                | on request                                                                                                                                                                                                                                    |
| Limiting continuous current           | 6 A                                                                                                                                                                                                                                           |
| Interrupting rating (ohmic load) max. | 140 W (at 24 V DC)                                                                                                                                                                                                                            |
|                                       | 20 W (at 48 V DC)                                                                                                                                                                                                                             |
|                                       | 18 W (at 60 V DC)                                                                                                                                                                                                                             |
|                                       | 23 W (at 110 V DC)                                                                                                                                                                                                                            |
|                                       | 40 W (at 220 V DC)                                                                                                                                                                                                                            |
|                                       | 1500 VA (for 250 V AC)                                                                                                                                                                                                                        |

#### Connection data input side

|                                  |                                              |
|----------------------------------|----------------------------------------------|
| Connection name                  | Coil side                                    |
| Connection method                | Screw connection                             |
| Stripping length                 | 8 mm                                         |
| Screw thread                     | M3                                           |
| Conductor cross section solid    | 0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> |
| Conductor cross section flexible | 0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> |
| Conductor cross section AWG      | 26 ... 14                                    |

#### Connection data output side

|                               |                                              |
|-------------------------------|----------------------------------------------|
| Connection name               | Contact side                                 |
| Connection method             | Screw connection                             |
| Stripping length              | 8 mm                                         |
| Screw thread                  | M3                                           |
| Conductor cross section solid | 0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> |

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## Technical data

### Connection data output side

|                                  |                                              |
|----------------------------------|----------------------------------------------|
| Conductor cross section flexible | 0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> |
| Conductor cross section AWG      | 26 ... 14                                    |

### General

|                                          |                                               |
|------------------------------------------|-----------------------------------------------|
| Test voltage relay winding/relay contact | 4 kV AC (50 Hz, 1 min.)                       |
| Operating mode                           | 100% operating factor                         |
| Mechanical service life                  | 2 x 10 <sup>7</sup> cycles                    |
| Flammability rating according to UL 94   | V0                                            |
| Designation                              | Standards/regulations                         |
| Standards/regulations                    | IEC 60664                                     |
|                                          | IEC 60664A                                    |
|                                          | DIN VDE 0110                                  |
|                                          | DIN EN 50178/DIN VDE 0160 (in relevant parts) |
|                                          | DIN EN 50178/VDE 0160                         |
|                                          | IEC 60255/DIN VDE 0435 (in relevant parts)    |
| Degree of pollution                      | 3                                             |
| Overvoltage category                     | III                                           |
| Mounting position                        | any                                           |
| Assembly instructions                    | In rows with zero spacing                     |

### Standards and Regulations

|                                        |                                               |
|----------------------------------------|-----------------------------------------------|
| Connection in acc. with standard       | CUL                                           |
| Designation                            | Standards/regulations                         |
| Standards/regulations                  | IEC 60664                                     |
|                                        | IEC 60664A                                    |
|                                        | DIN VDE 0110                                  |
|                                        | DIN EN 50178/DIN VDE 0160 (in relevant parts) |
|                                        | DIN EN 50178/VDE 0160                         |
|                                        | IEC 60255/DIN VDE 0435 (in relevant parts)    |
| Degree of pollution                    | 3                                             |
| Overvoltage category                   | III                                           |
| Flammability rating according to UL 94 | V0                                            |

### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27371102 |
| eCl@ss 4.1 | 27371102 |

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## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 5.0 | 27371001 |
| eCl@ss 5.1 | 27371001 |
| eCl@ss 6.0 | 27371001 |
| eCl@ss 7.0 | 27371001 |
| eCl@ss 8.0 | 27371601 |
| eCl@ss 9.0 | 27371601 |

### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC000196 |
| ETIM 3.0 | EC000196 |
| ETIM 4.0 | EC000196 |
| ETIM 5.0 | EC001437 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211916 |
| UNSPSC 7.0901 | 39121515 |
| UNSPSC 11     | 39121515 |
| UNSPSC 12.01  | 39121515 |
| UNSPSC 13.2   | 39121515 |

## Approvals

### Approvals

#### Approvals

UL Recognized / UL Listed / cUL Recognized / cUL Listed / GL / EAC / RC FRT / EAC / cULus Recognized / cULus Listed

#### Ex Approvals

#### Approvals submitted

### Approval details

|                                                                                                   |
|---------------------------------------------------------------------------------------------------|
| UL Recognized  |
|---------------------------------------------------------------------------------------------------|

# Relay Module - PLC-RSC- 24DC/ 1/SEN - 2966223

## Approvals

UL Listed

cUL Recognized

cUL Listed

GL

EAC

RC FRT

EAC

cULus Recognized

cULus Listed

## Accessories

### Accessories

#### Bridge

Continuous plug-in bridge - FBST 500-PLC RD - 2966786



Continuous plug-in bridge, Length: 500 mm, Color: red

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### Accessories

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Continuous plug-in bridge - FBST 500-PLC BU - 2966692



Continuous plug-in bridge, Length: 500 mm, Color: blue

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Continuous plug-in bridge - FBST 500-PLC GY - 2966838



Continuous plug-in bridge, Length: 500 mm, Color: gray

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Single plug-in bridge - FBST 6-PLC RD - 2966236



Single plug-in bridge, Length: 6 mm, Number of positions: 2, Color: red

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Single plug-in bridge - FBST 6-PLC BU - 2966812



Single plug-in bridge, Length: 6 mm, Number of positions: 2, Color: blue

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Single plug-in bridge - FBST 6-PLC GY - 2966825



Single plug-in bridge, Length: 6 mm, Number of positions: 2, Color: gray

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## Relay Module - PLC-RSC- 24DC/ 1/SEN - 2966223

### Accessories

Single plug-in bridge - FBST 8-PLC GY - 2967688



Single plug-in bridge, Length: 8 mm, Number of positions: 2, Color: gray

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Single plug-in bridge - FBST 14-PLC BK - 2967691



Single plug-in bridge, Length: 14 mm, Number of positions: 2, Color: black

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### DIN rail

DIN rail, unperforated - NS 35/ 7,5 V2A UNPERF 2000MM - 0801377



DIN rail, unperforated, Width: 35 mm, Height: 7.5 mm, Length: 2000 mm, Color: silver

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DIN rail perforated - NS 35/ 7,5 PERF 2000MM - 0801733



DIN rail, material: steel galvanized and passivated with a thick layer, perforated, height 7.5 mm, width 35 mm, length: 2000 mm

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DIN rail, unperforated - NS 35/ 7,5 CU UNPERF 2000MM - 0801762



DIN rail, material: Copper, unperforated, height 7.5 mm, width 35 mm, length: 2 m

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## Relay Module - PLC-RSC- 24DC/ 1/SEN - 2966223

### Accessories

DIN rail, unperforated - NS 35/15 UNPERF 2000MM - 1201714



DIN rail, material: Steel, unperforated, height 15 mm, width 35 mm, length: 2 m

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DIN rail, unperforated - NS 35/15 CU UNPERF 2000MM - 1201895



DIN rail, material: Copper, unperforated, 1.5 mm thick, height 15 mm, width 35 mm, length: 2 m

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DIN rail, unperforated - NS 35/15-2,3 UNPERF 2000MM - 1201798



DIN rail, material: Steel, unperforated, 2.3 mm thick, height 15 mm, width 35 mm, length: 2 m

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DIN rail, unperforated - NS 35/15 AL UNPERF 2000MM - 1201756



DIN rail, deep drawn, high profile, unperforated, 1.5 mm thick, material: aluminum, height 15 mm, width 35 mm, length 2000 mm

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DIN rail perforated - NS 35/15 PERF 2000MM - 1201730



DIN rail, material: steel galvanized and passivated with a thick layer, perforated, height 15 mm, width 35 mm, length: 2000 mm

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## Relay Module - PLC-RSC- 24DC/ 1/SEN - 2966223

### Accessories

DIN rail, unperforated - NS 35/ 7,5 UNPERF 2000MM - 0801681



DIN rail, material: Steel, unperforated, height 7.5 mm, width 35 mm, length: 2 m

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### Labeled terminal marker

Zack marker strip - ZB 6,LGS:FORTL.ZAHLEN - 1051016



Zack marker strip, Strip, white, labeled, can be labeled with: Plotter, Printed horizontally: Consecutive numbers 1 - 10, 11 - 20, etc. up to 491 - 500, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm

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### Partition plate

Separating plate - PLC-ATP BK - 2966841



Separating plate, 2 mm thick, required at the start and end of a PLC terminal strip. Furthermore, it is used for: visual separation of groups, safe isolation of different voltages of neighboring PLC relays in acc. with DIN VDE 0106-101, isolation

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### Power module

Power terminal block - PLC-ESK GY - 2966508



Power terminal block, for the input of up to four potentials, for mounting on NS 35/7.5

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### Screwdriver tools

## Relay Module - PLC-RSC- 24DC/ 1/SEN - 2966223

### Accessories

Screwdriver - SZF 1-0,6X3,5 - 1204517



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

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### Terminal marking

Zack marker strip - ZB 6:UNBEDRUCKT - 1051003



Zack marker strip, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm

Zack marker strip - ZB 6/WH-100:UNBEDRUCKT - 5060935

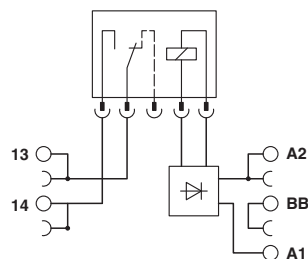


Zack marker strip, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm

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### Drawings

Circuit diagram



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- Поставка сложных, дефицитных, либо снятых с производства позиций;
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- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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## JONHON

«JONHON» (основан в 1970 г.)

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(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели, кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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