

Converter of communication bus SPI

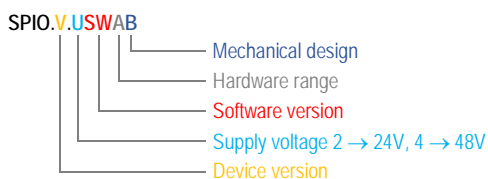
Type SPIO

Illustrative pictures

MIREL SPIO converts data from communication bus SPI into the binary signals or into data for communication link RS485. MIREL SPIO is the processor equipment, which, based on set specification, disposes with possibility to control binary outputs and with possibility to control communication in the serial link RS485 in regime master or slave. MIREL SPIO is connected to the basic unit of system MIREL through the connector SPI. Communication with system MIREL is one-side.



Nomenclature



Modifications

| Designation | Supply voltage [VDC] | Link RS485 | Binary output | Construction system | Assembly | Notes |
|-------------|----------------------|------------|---------------|---------------------|------------|----------------|
| SPIO.0.201 | 24 | – | ✓ | – | on VZ1ZJ.0 | 1), 2), 3), 4) |
| SPIO.0.201S | 24 | ✓ | – | – | on VZ1ZJ.0 | 1), 2), 3), 4) |
| SPIO.0.201U | 24 | ✓ | ✓ | – | on VZ1ZJ.0 | 1), 2), 3), 4) |
| SPIO.0.401U | 48 | ✓ | ✓ | – | on VZ1ZJ.0 | 1), 2), 4) |

¹⁾ homologated in Slovakia

²⁾ homologated in Czech Republic

³⁾ homologated in Hungary

⁴⁾ homologated in Poland

Modifications prepared for new applications

| Designation | Supply voltage [VDC] | Link RS485 | Binary outputs | Construction system | Assembly | Notes |
|--------------|----------------------|------------|----------------|---------------------|----------|-------|
| SPIO.1.201AU | 24 | ✓ | ✓ | BOXKOG | – | WF837 |
| SPIO.1.201AL | 24 | ✓ | ✓ | BOXTUG | left | WF837 |
| SPIO.1.201AP | 24 | ✓ | ✓ | BOXTUG | right | WF837 |
| SPIO.1.401AU | 48 | ✓ | ✓ | BOXKOG | – | WF837 |
| SPIO.1.401AL | 48 | ✓ | ✓ | BOXTUG | left | WF837 |
| SPIO.1.401AP | 48 | ✓ | ✓ | BOXTUG | right | WF837 |

Device version

| Designation | Dimensions V x D x H [mm] | Construction system | Weigh [kg] |
|-------------|---------------------------|---------------------|------------|
| 0 | 210 x 45 x 128 | – | 0,9 |
| 1 | 44 x 231 x 130 | BOXTUG | 0,8 |
| 1 | 56 x 239 x 129 | BOXKOG | 0,9 |

Hardware range

| Designation | Mechanical design | Communication link RS485 | Binary outputs |
|-------------|-------------------|--------------------------|----------------|
| - | - | - | ✓ |
| A | L / P / U | ✓ | ✓ |
| S | - | ✓ | - |
| U | - | ✓ | ✓ |

Mechanical design

| Designation | Construction system | Modification of construction system | Assembly |
|-------------|---------------------|-------------------------------------|------------|
| - | - | - | on VZ1ZJ.0 |
| L | BOXTUG | 05A | left |
| P | BOXTUG | 05A | right |
| U | BOXKOG | 05 | - |

Specifications

The catalogue sheet was prepared on the basis of the following specifications:

| Number | Version | Name |
|---------|---------|--------------------------------|
| 257VZ1 | 190121 | Technical conditions |
| 800SPIO | 190515 | Technical conditions |
| 1122VZ1 | 200827 | Installation manual |
| 481M | 161208 | ZJ Installation conditions |
| 1068M | 170516 | BOXTUG Installation conditions |
| 2468M | 191016 | BOXKOG Installation conditions |

Usage

MIREL VZ1 – train protection



Modifications not recommended for new applications

No record.