



Figure similar

AS-INTERFACE SLIMLINE MOD. IP20 S22.5, DIGITAL, 2I/2OR(RELAY), 2 X 1 INPUT, 2-WIRE, PNP 2 X 1 OUTPUT, RELAY, 6A,UC 230V SCREW-TYPE TERMINAL CONNECT., MODULE WIDTH 22.5 MM

### General technical data:

|  |    |   |
|--|----|---|
| <b>Design of the product</b>   |    | SlimLine S22.5 - I/O modules for operation in the control cabinet, IP20 |
| <b>Design of the slave type</b>  |    | standard slave  |
| <b>Type</b>  |    | 2 inputs / 2 outputs  |
| <b>I/O configuration</b>   |    | 3   |
| <b>ID/ID2 code</b>   |    | 0/F   |
| <b>Protocol is supported AS-interface protocol</b>   |    | Yes   |
| <b>AS interface total current input max</b>  | mA | 50  |
| operating voltage according to AS-Interface specification                                  | V  | 26.5 ... 31.6   |
| <b>Addressing</b>  |    | front addressing socket   |
| <b>Type of electrical connection of the inputs and outputs</b>                             |    | screw-type terminals  |
| <b>Equipment marking acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750</b> |    | A   |
| <b>Equipment marking acc. to DIN EN 61346-2</b>  |    | K   |

### Sensor supply:

|   |   |                    |
|---|---|--------------------|
| <b>Type of voltage supply for power supply</b>                            |   | using AS-Interface |
| <b>Input voltage</b>  | V | 20 ... 30          |
| <b>Property of the sensor supply Short-circuit and overload resistant</b> |   | Yes                |

### Inputs:

|                                 |  |                   |
|---------------------------------|--|-------------------|
| <b>Number of digital inputs</b> |  | 2                 |
| <b>Type of connection</b>       |  | 2-wire technology |

|  |    |                                      |
|--|----|--------------------------------------|
| <b>Input circuit</b>                           |    | PNP transistor                       |
| <b>Type of voltage of the input voltages</b>   |    | DC                                   |
| <b>Inputs switching level High min</b>         | V  | 10                                   |
| <b>Input current at digital input</b>          |    |                                      |
| • for signal <1> minimum                       | mA | 5                                    |
| • with signal <0> maximum                      | mA | 1.5                                  |
| <b>Inputs sensor supply using AS-Interface</b> |    | short-circuit and overload resistant |

#### Outputs:

|   |   |                                |
|---|---|--------------------------------|
| <b>Number of digital outputs</b>                  |   | 2                              |
| <b>Output voltage for DC at 24 V</b>              | V | 22 ... 24                      |
| <b>Outputs</b>                                    |   |                                |
| • current carrying capacity I <sub>th</sub>       | A | 6                              |
| <b>Ampacity</b>                                   |   |                                |
| • of the output relay                             |   |                                |
| — at DC-13  |   |                                |
| — at 24 V   | A | 1                              |
| — at 110 V  | A | 0.2                            |
| — at 230 V  | A | 0.1                            |
| — at AC-15 at 230 V at 50/60 Hz                   | A | 3                              |
| <b>Type of switching output</b>                   |   | relay, changeover floating     |
| <b>Property of the output Short-circuit proof</b> |   | No                             |
| <b>output Polarity reversal protection</b>        |   | does not apply                 |
| <b>Outputs</b>                                    |   |                                |
| • short-circuit protection                        |   | external back-up fuse required |
| • induction protection                            |   | does not apply                 |
| • watchdog  |   | built-in                       |
| <b>Status display</b>                             |   |                                |
| • display of I/Os                                 |   | yellow LED                     |
| • AS-Interface                                    |   | green LED                      |
| • FAULT   |   | red LED                        |
| <b>Assignment of data bits</b>                    |   |                                |
| • D0  |   | IN1                            |
| • D1  |   | IN2                            |
| • D2  |   | OUT1                           |
| • D3  |   | OUT2                           |

#### Ambient conditions:

|                            |    |             |
|----------------------------|----|-------------|
| <b>Ambient temperature</b> |    |             |
| • during operation         | °C | -25 ... +70 |
| • during storage           | °C | -40 ... +85 |
| <b>Protection class IP</b> |    | IP20        |

#### Mechanical data:

|                         |    |  |
|-------------------------|----|--|
| Width                   | mm | 22.5   |
| Height                  | mm | 102  |
| Depth                   | mm | 86   |
| Mounting type           |    | 35 mm standard rail mounting or wall mounting using push-in lugs   |
| Conductor cross-section |    | <ul style="list-style-type: none"> <li>• solid</li> <li>• finely stranded <ul style="list-style-type: none"> <li>— with end sleeve</li> </ul> </li> <li>• AWG solid or stranded</li> </ul> |

**Certificates/ approvals:**

|                          |  |   |
|--------------------------|--|---|
| AS-Interface certificate |  | yes (or requested for in case of new units)                   |
| Approvals                |  | UL, CSA, shipbuilding (or requested for in case of new units) |

**General Product Approval** **Shipping Approval**



**Shipping Approval** **other**

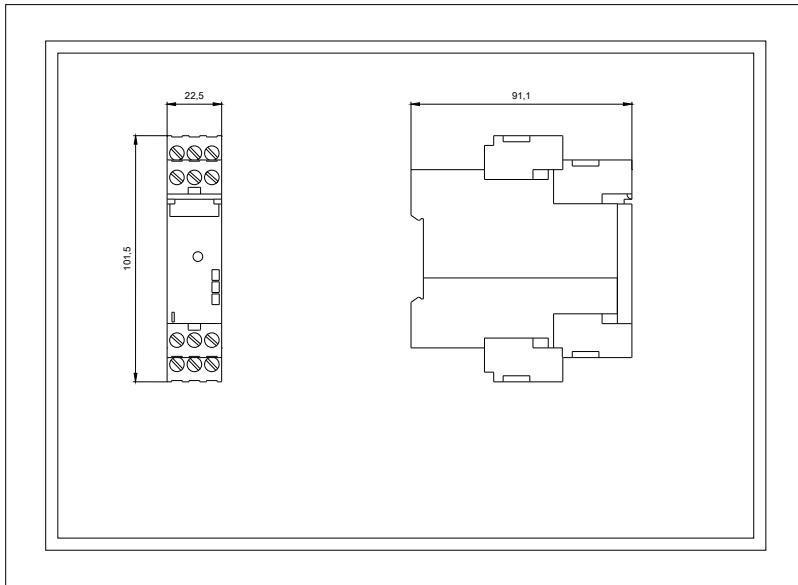


**other**

[Environmental Confirmations](#)      [other](#)

**Further information**

- Information- and Downloadcenter (Catalogs, Brochures,...)**  
<http://www.siemens.com/industrial-controls/catalogs>
- Industry Mall (Online ordering system)**  
<http://www.siemens.com/industrymall>
- Cax online generator**  
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK14020BE000AA2>
- Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**  
<http://support.automation.siemens.com/WW/view/en/3RK14020BE000AA2/all>
- Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**  
<http://www.automation.siemens.com/bilddb/index.aspx?attID9=3RK14020BE000AA2&lang=en>



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