



AS-i data decoupler 1 x 4 A Spring-type terminals, AS-i single Data decoupling module IP20, SlimLine S22.5 spring-type terminals Overall width module 22.5 mm IN: 24 V / 30 V DC OUT: 1 x AS-i, 4 A Integrated overload protection Integrated ground fault detection Signaling contact Remote reset

| General technical data:                                                                |    |                                                                |
|----------------------------------------------------------------------------------------|----|----------------------------------------------------------------|
| Product designation                                                                    |    | Single data decoupling module                                  |
| Design of the product                                                                  |    | SlimLine S22.5 - Module to be used in the IP20 control cabinet |
| Protection class IP                                                                    |    | IP20                                                           |
| Installation altitude at height above sea level maximum                                | m  | 2 000                                                          |
| Ambient temperature                                                                    |    |                                                                |
| • during operation                                                                     | °C | -25 ... +70                                                    |
| • during storage                                                                       | °C | -40 ... +85                                                    |
| Relative humidity at 25 °C during operation maximum                                    | %  | 70                                                             |
| Reference identifier acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750 |    | A                                                              |
| Reference identifier acc. to DIN EN 61346-2                                            |    | A                                                              |
| Supplied active power                                                                  | W  | 120                                                            |
| Mechanical service life (switching cycles) of the signaling contacts typical           |    | 1 000 000                                                      |
| Product function                                                                       |    |                                                                |
| • Auto-reset                                                                           |    | No                                                             |

|                                                                             |   |           |
|-----------------------------------------------------------------------------|---|-----------|
| • External reset                                                            |   | Yes       |
| • Manual RESET                                                              |   | Yes       |
| • Ground fault detection                                                    |   | Yes       |
| • Test function of signaling contacts                                       |   | Yes       |
| • suitable for grounded AS-i networks                                       |   | Yes       |
| • adapted for non-grounded AS-i networks                                    |   | Yes       |
| • suitable for AS-i Power24V                                                |   | Yes       |
| • sequential connected time-delay                                           |   | No        |
| • AS-interface data decoupling                                              |   | Yes       |
| <b>Reset function</b>                                                       |   | yes       |
| Adjustable pick-up value current of the current-dependent overload release  | A | 2.5 ... 4 |
| <b>Number of electrical connections for signaling contact</b>               |   | 2         |
| <b>Number of outputs for AS Interface maximum</b>                           |   | 1         |
| <b>Display version as status display by LED</b>                             |   | yes       |
| <b>Number of switching contacts as NO contact for signaling function</b>    |   | 1         |
| <b>Design of the switching contact as NO contact for signaling function</b> |   | yes       |

#### Communication/ Protocol:

|                                                    |  |     |
|----------------------------------------------------|--|-----|
| <b>Protocol is supported AS-interface protocol</b> |  | Yes |
|----------------------------------------------------|--|-----|

#### Auxiliary circuit:

|                                         |   |   |
|-----------------------------------------|---|---|
| Operating current of auxiliary contacts |   |   |
| • at AC-15 at 24 V                      | A | 3 |
| • at DC-13 at 24 V                      | A | 1 |

#### Inputs/ Outputs:

|                                                   |   |               |
|---------------------------------------------------|---|---------------|
| <b>Type of voltage</b>                            |   |               |
| • of the input voltages                           |   | DC            |
| • of the input voltage                            |   | DC            |
| <b>Property of the output Short-circuit proof</b> |   | Yes           |
| <b>Output voltage</b>                             |   |               |
| • 1 at DC                                         |   |               |
| — rated value                                     | V | 30            |
| — rated value                                     | V | 20.5 ... 31.6 |
| • 2 at DC rated value                             | V | 24            |
| <b>Output current at DC maximum</b>               | A | 4             |
| <b>Input voltage</b>                              |   |               |
| • 1 at DC                                         |   |               |
| — rated value                                     | V | 30            |
| — rated value                                     | V | 21 ... 32     |
| • 2 at DC rated value                             | V | 24            |

|                             |   |     |
|-----------------------------|---|-----|
| Input current at DC maximum | A | 4.1 |
|-----------------------------|---|-----|

#### Short-circuit:

|                                    |  |            |
|------------------------------------|--|------------|
| Design of short-circuit protection |  | electronic |
|------------------------------------|--|------------|

#### Installation/ mounting/ dimensions:

|                                                                         |    |                                                                                                                                                                                                                                                                                                                                       |
|-------------------------------------------------------------------------|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mounting position                                                       |    | vertical                                                                                                                                                                                                                                                                                                                              |
| Mounting type                                                           |    | 35-mm DIN rail mounting or wall mounting with plug-in flaps                                                                                                                                                                                                                                                                           |
| Width                                                                   | mm | 22.5                                                                                                                                                                                                                                                                                                                                  |
| Height                                                                  | mm | 104.9                                                                                                                                                                                                                                                                                                                                 |
| Depth                                                                   | mm | 121.2                                                                                                                                                                                                                                                                                                                                 |
| Type of electrical connection for auxiliary and control current circuit |    | spring-loaded terminals                                                                                                                                                                                                                                                                                                               |
| Product function removable terminal for auxiliary and control circuit   |    | Yes                                                                                                                                                                                                                                                                                                                                   |
| Type of connectable conductor cross-sections                            |    | <ul style="list-style-type: none"> <li>for auxiliary contacts <ul style="list-style-type: none"> <li>— solid</li> <li>— finely stranded <ul style="list-style-type: none"> <li>— with core end processing</li> <li>— without core end processing</li> </ul> </li> </ul> </li> <li>at AWG conductors for auxiliary contacts</li> </ul> |
| Certificate of suitability                                              |    | CE / UL / CSA                                                                                                                                                                                                                                                                                                                         |
| Suitability for use safety-related circuits                             |    | Yes                                                                                                                                                                                                                                                                                                                                   |

#### Certificates/ approvals:

| General Product Approval                                                                   |                                                                                           |                                                                                            | EMC                                                                                        | Declaration of Conformity                                                                         |                               |
|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-------------------------------|
| <br>CSA | <br>UL | <br>EAC | <br>RCM | <br>EG-Konf. | <a href="#">Miscellaneous</a> |

| Shipping Approval                                                                          |                                                                                            |                                                                                             | other                        |
|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|------------------------------|
| <br>ABS | <br>PRS | <br>RMRS | <a href="#">Confirmation</a> |

#### 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=3RK1901-1DG12-1AA0>



