



AS-INTERFACE MODULE, 4I/4O,  
WITH SOLDER-PIN CONNECTION,  
4 X 1 INPUT, PNP 4 X OUTPUTS 45MA,  
24V DC SUPPLY F. THE INPUTS A. OUTPUTS YELLOW  
AS-I CABLE

### General technical data:

|                                                                                                                                                                          |    |                                                                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-------------------------------------------------------------------|
| Design of the product                                                                                                                                                    |    | AS-Interface communication modules - special integrated solutions |
| Design of the slave type                                                                                                                                                 |    | standard slave                                                    |
| Type                                                                                                                                                                     |    | 4 inputs / 4 outputs                                              |
| I/O configuration                                                                                                                                                        |    | 7                                                                 |
| ID/ID2 code                                                                                                                                                              |    | 0/F                                                               |
| Design of the electrical connection / of the inputs and outputs                                                                                                          |    | solder pins                                                       |
| AS interface / total current input / max                                                                                                                                 | mA | 270                                                               |
| Total current / for all inputs and outputs                                                                                                                               | mA | 200                                                               |
| Approvals                                                                                                                                                                |    | UL, CSA, shipbuilding                                             |
| Protocol / is supported / AS interface protocol                                                                                                                          |    | Yes                                                               |
| Reference code                                                                                                                                                           |    |                                                                   |
| <ul style="list-style-type: none"> <li>• according to DIN 40719 extended according to IEC 204-2 / according to IEC 750</li> <li>• according to DIN EN 61346-2</li> </ul> |    | A                                                                 |
|                                                                                                                                                                          |    | K                                                                 |

### Sensor supply:

|                                                                                    |   |                    |
|------------------------------------------------------------------------------------|---|--------------------|
| Type of voltage supply / for the sensor supply                                     |   | using AS-Interface |
| Input voltage                                                                      | V | 26.5 ... 31.6      |
| Characteristic feature of the sensor supply / short-circuit and overload resistant |   | Yes                |

| Inputs:                                                         |    |                    |
|-----------------------------------------------------------------|----|--------------------|
| Number of digital inputs                                        |    | 4                  |
| Input circuit                                                   |    | PNP                |
| Type of / input voltages                                        |    | DC                 |
| Inputs / sensor supply                                          |    | using AS-Interface |
| Input current / at the digital input / for signal <1> / minimum | mA | 3                  |
| Inputs / switching voltage                                      | V  | 20 ... 30          |

| Outputs:                                                                                                     |    |                       |
|--------------------------------------------------------------------------------------------------------------|----|-----------------------|
| Number of digital outputs                                                                                    |    | 4                     |
| Voltage type / of output voltages                                                                            |    | DC                    |
| Output voltage / at 24 V / for DC                                                                            | V  | 22.5 ... 24           |
| Outputs / external power supply 24 V DC                                                                      |    | using solder pins     |
| Output current / at the digital output / for signal <1> / nominal value                                      | mA | 45                    |
| Design of the switching output                                                                               |    | solid state           |
| Characteristic feature of the output / short-circuit protected                                               |    | Yes                   |
| Outputs <ul style="list-style-type: none"> <li>• load voltage</li> <li>• short-circuit protection</li> </ul> |    | 20 V 30 V<br>built-in |

| Status display: |  |      |
|-----------------|--|------|
| display         |  | none |

| Assignment of data bits |  |          |
|-------------------------|--|----------|
| • D0                    |  | IN1/OUT1 |
| • D1                    |  | IN2/OUT2 |
| • D2                    |  | IN3/OUT3 |
| • D3                    |  | IN4/OUT4 |

| Ambient conditions:                                                                                                |          |                                     |
|--------------------------------------------------------------------------------------------------------------------|----------|-------------------------------------|
| Protection class IP                                                                                                |          | IP20 enclosure connecting pins IP00 |
| Ambient temperature <ul style="list-style-type: none"> <li>• during operating</li> <li>• during storage</li> </ul> | °C<br>°C | -25 ... +70<br>-40 ... +80          |

| Mechanical design: |    |    |
|--------------------|----|----|
| Width              | mm | 75 |
| Height             | mm | 20 |
| Depth              | mm | 40 |

| Certificates/approvals: |  |  |
|-------------------------|--|--|
|-------------------------|--|--|

## General Product Approval



## Test Certificates

[Special Test Certificate](#)

## Shipping Approval



## other

[Confirmation](#)

[Declaration of Conformity](#)

[other](#)

[Environmental Confirmations](#)

## Weitere Informationen

### Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/industrial-controls/catalogs>

### Industry Mall (Online ordering system)

<http://www.siemens.com/industrial-controls/mall>

### CAX-Online-Generator

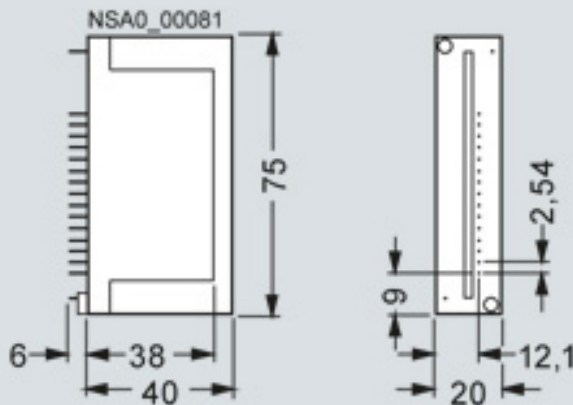
<http://www.siemens.com/cax>

### Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/3RK1400-0CD00-0AA3/all>

### Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3RK1400-0CD00-0AA3](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RK1400-0CD00-0AA3)



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