



ASIsafe SlimLine module S45F digital safety IP20 1F-  
RQ/3DI/2DQ 1 x safe output Relay 2-channel 3 x  
standard input 2 x standard output 24 V DC Screw  
terminals Overall width 45 mm

| General technical data                                                           |    |                                          |
|----------------------------------------------------------------------------------|----|------------------------------------------|
| Design of the product                                                            |    | Safe SlimLine module S45F, 1F-RO/2DI/2DO |
| I/O configuration                                                                |    | 7                                        |
| ID/ID2 code                                                                      |    | A/E                                      |
| Protocol is supported AS-Interface protocol                                      |    | Yes                                      |
| Type of electrical connection of the inputs and outputs                          |    | screw terminal                           |
| AS interface total current input max                                             | mA | 200                                      |
| Addressing                                                                       |    | front addressing socket                  |
| Reference code acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750 |    | A                                        |
| Reference code acc. to DIN EN 61346-2                                            |    | A                                        |

| Inputs                                                |    |    |
|-------------------------------------------------------|----|----|
| Number of digital inputs                              |    | 2  |
| Inputs                                                |    |    |
| • switching level High                                |    | 10 |
| • switching level Low                                 |    | 5  |
| Input current at digital input for signal <1> minimum | mA | 5  |

| Outputs                                                                                                                                                             |          |                                          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------------------------------------|
| Number of digital outputs                                                                                                                                           |          | 2                                        |
| Type of voltage of output voltages                                                                                                                                  |          | DC                                       |
| Outputs external power supply 24 V DC                                                                                                                               |          | via AUX POWER                            |
| Property of the output Short-circuit proof                                                                                                                          |          | Yes                                      |
| <b>Outputs</b> <ul style="list-style-type: none"> <li>• short-circuit protection</li> <li>• induction protection</li> <li>• watchdog</li> </ul>                     |          | built-in<br>built-in<br>built-in         |
| <b>Status display</b> <ul style="list-style-type: none"> <li>• display of I/Os</li> <li>• display of Uaux</li> <li>• display of AS-Interface/diagnostics</li> </ul> |          | yellow LED<br>green LED<br>green/red LED |
| Ambient conditions                                                                                                                                                  |          |                                          |
| <b>Ambient temperature</b> <ul style="list-style-type: none"> <li>• during operation</li> <li>• during storage</li> </ul>                                           | °C<br>°C | -25 ... +70<br>-40 ... +85               |
| Protection class IP                                                                                                                                                 |          | IP20                                     |
| Mechanical data                                                                                                                                                     |          |                                          |
| Width                                                                                                                                                               | mm       | 45                                       |
| Height                                                                                                                                                              | mm       | 105.9                                    |
| Depth                                                                                                                                                               | mm       | 120                                      |
| Mounting type                                                                                                                                                       |          | standard rail mounting/wall mounting     |
| Certificates/approvals                                                                                                                                              |          |                                          |

|                          |     |                                       |                           |
|--------------------------|-----|---------------------------------------|---------------------------|
| General Product Approval | EMC | Functional Safety/Safety of Machinery | Declaration of Conformity |
|--------------------------|-----|---------------------------------------|---------------------------|



CSA



UL



RCM

[Type Examination Certificate](#)



EG-Konf.

|                           |                   |
|---------------------------|-------------------|
| Declaration of Conformity | Shipping Approval |
|---------------------------|-------------------|

[Miscellaneous](#)



ABS



LRS



PRS



RINA



RMRS

other

[Confirmation](#)

#### Further information

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

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

**Industry Mall (Online ordering system)**

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK1405-1SE15-0AA2>

**Cax online generator**

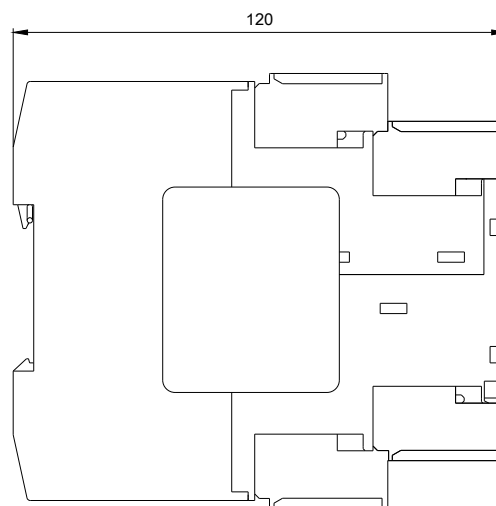
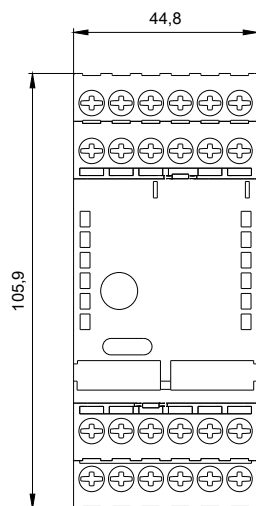
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1405-1SE15-0AA2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK1405-1SE15-0AA2>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RK1405-1SE15-0AA2&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1405-1SE15-0AA2&lang=en)



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