



SAFE MODULE K45F, WITH TWO SECURE INPUTS  
2FE

**General technical data:**

<b>Design of the product</b>		Safe compact module K45F, 2F-DI
<b>Type</b>		2 inputs, safe
<b>I/O configuration</b>		0
<b>ID/ID2 code</b>		B/F
<b>Protocol is supported AS-interface protocol</b>		Yes
<b>Number I/O sockets</b>		2
<b>Type of electrical connection of the inputs and outputs</b>		M12
operating voltage according to AS-Interface specification	V	26.5 ... 31.5
<b>AS interface total current input max</b>	mA	45
<b>Addressing</b>		front addressing socket;the module retains the last address after the 15th addressing procedure
<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>		A

**Inputs:**

<b>Number of digital inputs safety-related</b>		2
<b>Inputs</b>		mechanical switching contact
<ul style="list-style-type: none"> <li>• sensors</li> <li>• switching level High</li> <li>• switching level Low</li> </ul>		contact closed contact open
<b>Input current at digital input for signal &lt;1&gt; minimum</b>	mA	5
<b>Design of the pin assignment of the inputs</b>		special assignement

## Outputs:

Type of voltage of output voltages		DC
Status display		yellow LED green/red LED
<ul style="list-style-type: none"> <li>display of I/Os</li> <li>display of AS-Interface/diagnostics</li> </ul>		

## Ambient conditions:

Ambient temperature		
<ul style="list-style-type: none"> <li>during operation</li> </ul>	°C	-25 ... +70
<ul style="list-style-type: none"> <li>during storage</li> </ul>	°C	-40 ... +85
Protection class IP		IP67

## Mechanical data:

Width	mm	45
Height	mm	80
Depth	mm	34
Mounting type		standard rail mounting/wall mounting using mounting plate for K45 compact module

## Certificates/ approvals:

AS-Interface certificate		yes
Approvals		UL, CSA

General Product Approval		Functional Safety/Safety of Machinery	Declaration of Conformity
 CSA	 GOST	 UL	
		<a href="#">Type Examination Certificate</a>	 EG-Konf.

## Shipping Approval



## other

[Confirmation](#)     
 [Declaration of Conformity](#)     
 [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**

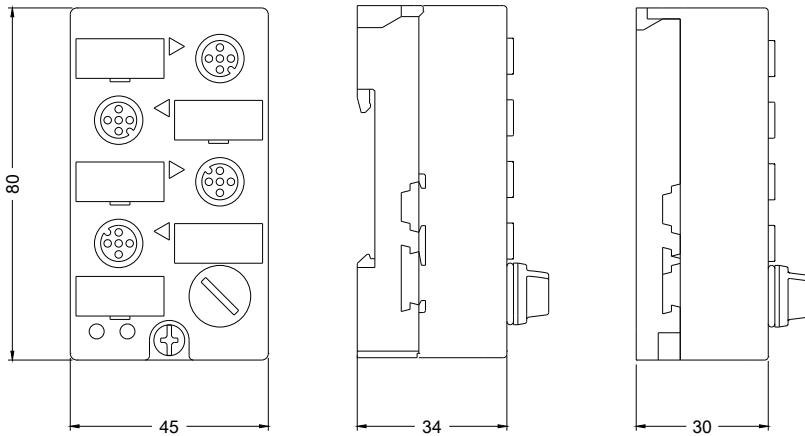
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mfb=3RK12050BQ000AA3>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK12050BQ000AA3>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mfb=3RK12050BQ000AA3&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mfb=3RK12050BQ000AA3&lang=en)



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