



SAFE MODULE K45F, WITH TWO SECURE INPUTS
2FE

General technical data:

Design of the product		Safe compact module K45F, 2F-DI
Type		2 inputs, safe
I/O configuration		0
ID/ID2 code		B/F
Protocol is supported AS-interface protocol		Yes
Number I/O sockets		2
Type of electrical connection of the inputs and outputs		M12
operating voltage according to AS-Interface specification	V	26.5 ... 31.5
AS interface total current input max	mA	45
Addressing		front addressing socket;the module retains the last address after the 15th addressing procedure
Equipment marking acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750		A
Equipment marking acc. to DIN EN 61346-2		A

Inputs:

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

Outputs:

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

Ambient conditions:

Ambient temperature		
<ul style="list-style-type: none"> during operation 	°C	-25 ... +70
<ul style="list-style-type: none"> during storage 	°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	
		Type Examination Certificate	 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

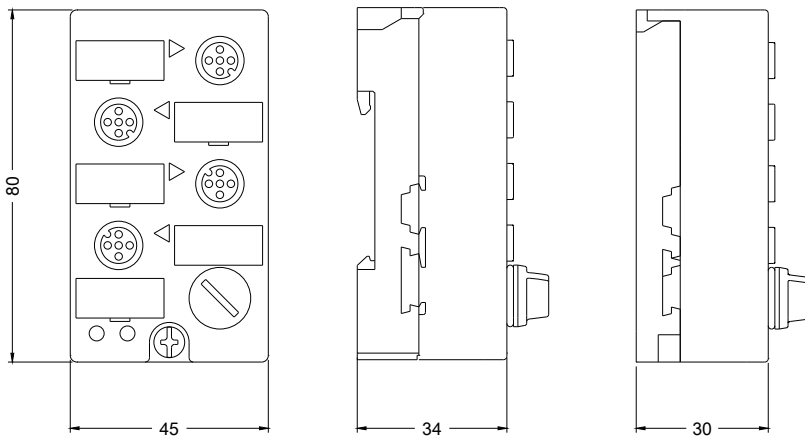
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mfb=3RK12050BQ000AA3>

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

<http://support.automation.siemens.com/WW/view/en/3RK12050BQ000AA3/all>

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

<http://www.automation.siemens.com/bilddb/index.aspx?attID9=3RK12050BQ000AA3&lang=en>



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