

ASIsafe compact module K45F digital safety, 2 F-DI/2 DQ, IP67 2 x input for mechanical sensors 2 x standard output 24 V DC Output supply from 24 V DC 4 x M12 socket Mounting plate 3RK1901-2EA00 or 3RK1901-2DA00 must be ordered separately

General technical data		
design of the product		Safe compact module K45F, 2F-DI/2DO, Uaux
Type		2 inputs, safe, 2 outputs, standard with Uaux
I/O configuration		7
ID/ID2 code		B/0
protocol is supported AS-Interface protocol		Yes
Number I/O sockets		4
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	70
Addressing		front addressing socket
reference code according to DIN 40719 extended		A
according to IEC 204-2 according to IEC 750		
reference code according to EN 61346-2		A
Inputs		
number of digital inputs safety-related		2
Inputs		
• sensors		mechanical switching contact
• switching level High		contact closed
• switching level Low		contact open
input current at digital input for signal <1> minimum	mA	5
design of the pin assignment of the inputs		special assignment
Outputs		
number of digital outputs		2
type of voltage of output voltages		DC
Outputs external power supply 24 V DC		via AUX POWER
output current at digital output for signal <1> rated value	A	2
type of switching output		solid state
design of the pin assignment of the outputs		standard assignment
property of the output short-circuit proof		Yes
Outputs		
• short-circuit protection		built-in
• induction protection		built-in
• watchdog		built-in
Status display		
• display of I/Os		yellow LED
• display of Uaux		green LED
• display of AS-Interface/diagnostics		green/red LED
Ambient conditions		
ambient temperature		
• during operation	°C	-25 ... +70

during storage	°C	-40 ... +85
protection class IP		IP67

Mechanical data

width	mm	15
height	mm	80
depth	mm	34
fastening method		standard rail mounting/wall mounting using mounting plate for K45 compact module

Certificates/ approvals

General Product Approval	EMC	Declaration of Conformity
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[Confirmation](#)



EG-Konf.

Declaration of Conformity	Marine / Shipping
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LRS



PRS



RINA



RMRS

Marine / Shipping	other
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[Confirmation](#)

[Miscellaneous](#)

Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

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

<https://www.siemens.com/ic10>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK1405-1BQ20-0AA3>

Cax online generator

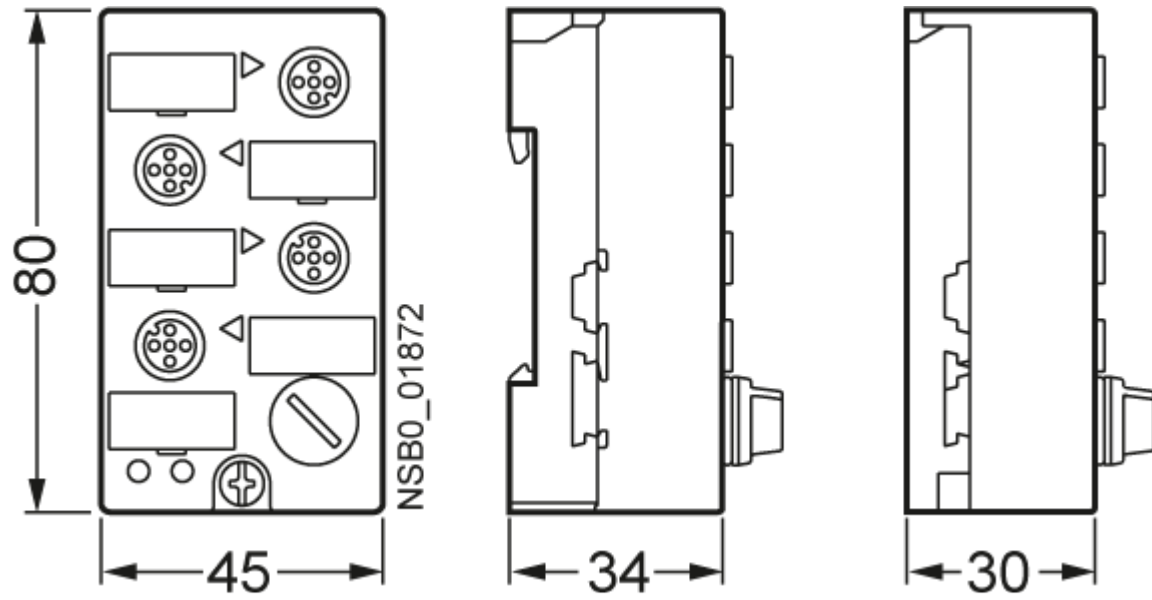
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1405-1BQ20-0AA3>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK1405-1BQ20-0AA3>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1405-1BQ20-0AA3&lang=en



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