



ASsafe 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 according to IEC 204-2 according to IEC 750		A
reference code according to EN 61346-2		A
Inputs		
number of digital inputs safety-related		2
Inputs		
<ul style="list-style-type: none"> • sensors • switching level High • switching level Low 		mechanical switching contact 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		
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 assignement
property of the output short-circuit proof		Yes
Outputs		
<ul style="list-style-type: none"> • short-circuit protection • induction protection • watchdog 		built-in built-in built-in
Status display		
<ul style="list-style-type: none"> • display of I/Os • display of Uaux • display of AS-Interface/diagnostics 		yellow LED green LED 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

[Confirmation](#)



Marine / Shipping	other
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[Confirmation](#)

[Miscellaneous](#)

Further information

Siemens has decided to exit the Russian market (see here).

<https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business>

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

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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