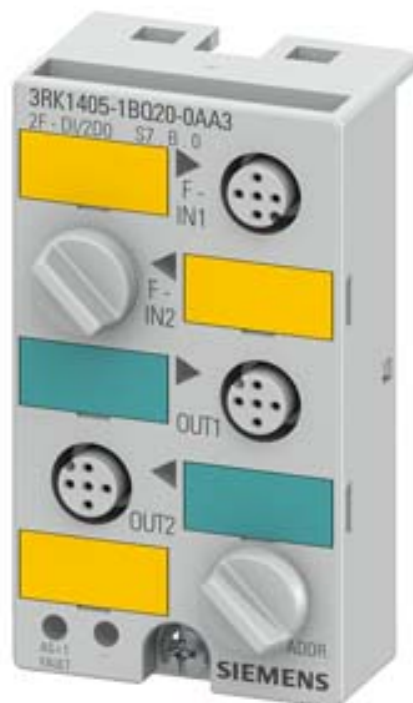




ASIsafe compact module K45F digital safety, 2 F-DI/2 DQ, IP67 2 x input for mechanical sensors 2 x standard output 24 V DC Output supply from 24 V DC 4 x M12 socket Mounting plate 3RK1901-2EA00 or 3RK1901-2DA00 must be ordered separately

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 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 safety-related		2
Inputs		

• 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
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 • short-ciruit protection • induction protection • watchdog		built-in built-in built-in
Status display • 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 • during storage	°C °C	-25 ... +70 -40 ... +85
Protection class IP		IP67

Mechanical data

Width	mm	15
Height	mm	80
Depth	mm	34
Mounting type		standard rail mounting/wall mounting using mounting plate for K45 compact module

Certificates/approvals

General Product Approval	EMC	Functional Safety/Safety of Machinery	Declaration of Conformity
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[Type Examination Certificate](#)



Declaration of Conformity	Shipping Approval
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[Miscellaneous](#)



Shipping Approval	other
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[Confirmation](#)

[Miscellaneous](#)



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=3RK1405-1BQ20-0AA3>

Cax online generator

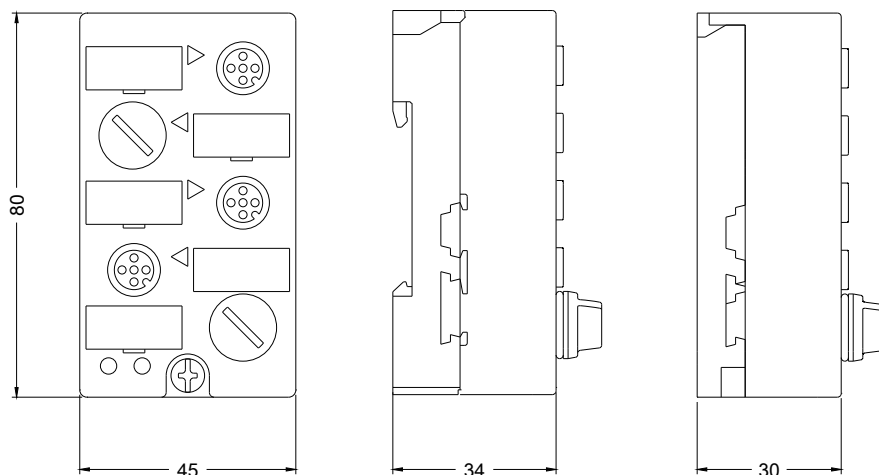
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1405-1BQ20-0AA3>

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



last modified:

09/13/2019