

ASIsafe compact module K20F digital safety, 2 F-DI, IP67 2 x input for mechanical sensors 2 x M12 socket



General technical data	
Design of the product	safe compact module for operation in the field, IP67 - K20F
Type	2 safe inputs
Design of the slave type	standard slave
I/O configuration	0
ID/ID2 code	B/0
Number I/O sockets	2
Type of electrical connection of the inputs and outputs	M12 screw-type terminals
AS interface total current input max	45 mA
operating voltage according to AS-Interface specification	26.5 ... 31.6 V
Ground terminal	not available
Addressing	using M12 female connector
AS interface Connection Polarity reversal protection	built-in
Inputs	
Number of digital inputs	2
Input circuit	for mechanical switching contacts
Inputs socket assignment	

• PIN 1	F-IN1
• PIN 2	F-IN1
• PIN 3	F-IN2
• PIN 4	F-IN2
Design of the pin assignment of the inputs	special assignement ASIsafe

Outputs

Number of digital outputs	0
----------------------------------	---

Display

Status display	
• display of I/Os	yellow LED
• display of Uaux	not required
• display of AS-Interface/diagnostics	green/red dual LED

Assignment of the data bits

Assignment of data bits	
• socket	PIN 1/2 = F-IN1, PIN 3/4 = F-IN2
• socket 2	PIN 1/2 = F-IN2; PIN 3/4 = not assigned
• socket 3	not available
• socket 4	not available

Ambient conditions

Ambient temperature	
• during operation	-25 ... +70 °C
• during storage	-40 ... +85 °C
Protection class IP	IP67

Mechanical data

Width	20 mm
Height	108 mm
Depth	45 mm
Mounting type	no mounting plate required

Certificates/ approvals

General Product Approval	EMC	Functional Safety/Safety of Machinery	Declaration of Conformity
--------------------------	-----	---------------------------------------	---------------------------



[Miscellaneous](#)



Declaration of Conformity	Test Certificates	Shipping Approval
---------------------------	-------------------	-------------------

[Miscellaneous](#)

[Special Test Certificate](#)



Shipping Approval	other
-------------------	-------



[Confirmation](#)

[Miscellaneous](#)

Further information

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=3RK1205-0BQ30-0AA3>

Cax online generator

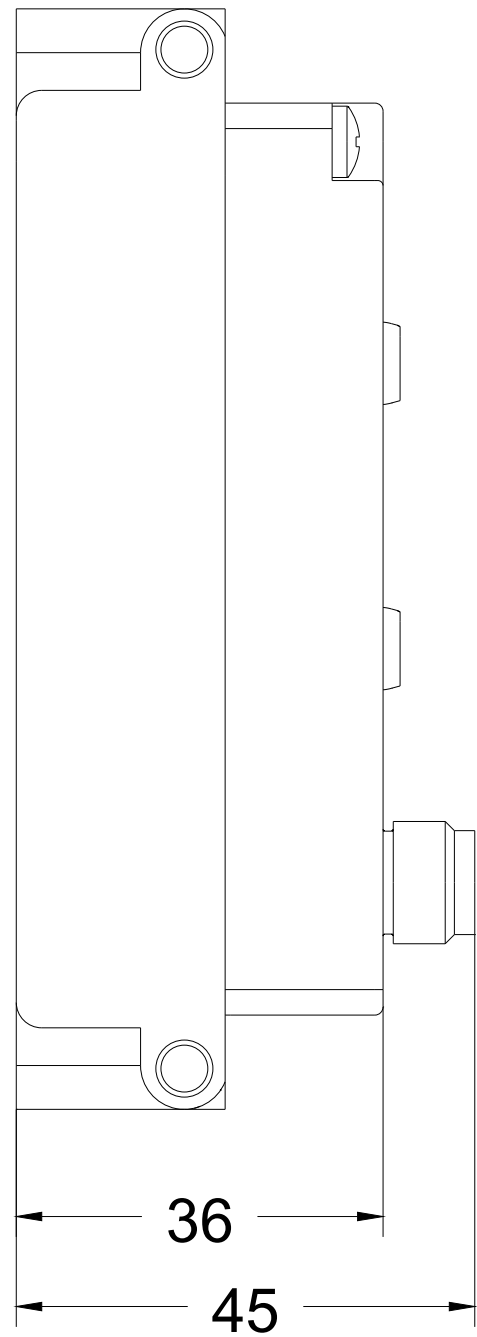
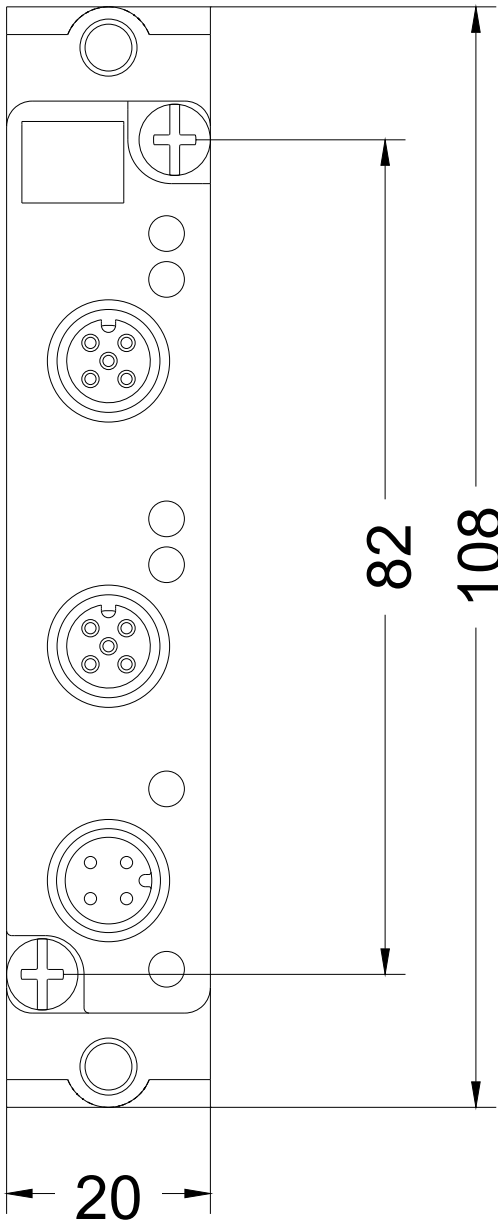
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1205-0BQ30-0AA3>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK1205-0BQ30-0AA3>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1205-0BQ30-0AA3&lang=en



last modified:

05/15/2020