

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 • PIN 2 • PIN 3 • PIN 4	F-IN1 F-IN1 F-IN2 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 • display of Uaux • display of AS-Interface/diagnostics	yellow LED not required green/red dual LED
Assignment of the data bits	
Assignment of data bits	
• socket • socket 2 • socket 3 • socket 4	PIN 1/2 = F-IN1, PIN 3/4 = F-IN2 PIN 1/2 = F-IN2; PIN 3/4 = not assigned not available not available
Ambient conditions	
Ambient temperature	
• during operation • during storage	-25 ... +70 °C -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
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[Miscellaneous](#)



Declaration of Conformity	Test Certificates	Shipping Approval
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[Miscellaneous](#)

[Special Test Certificate](#)



Shipping Approval	other
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[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

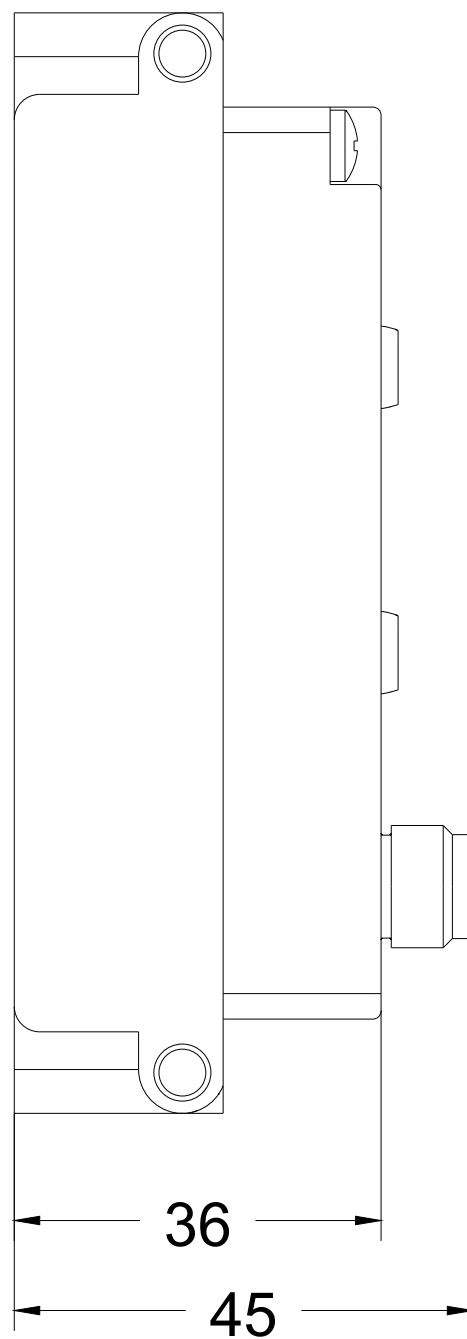
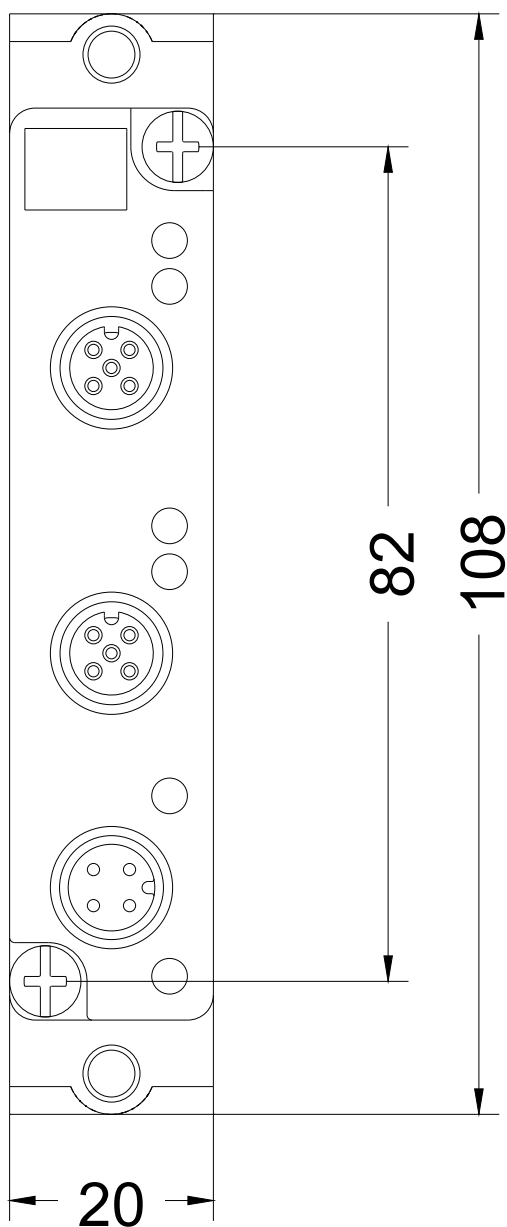
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1205-0BQ30-0AA3>

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



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03/06/2020