



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 assignment 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
fastening method	no mounting plate required
shock resistance	15g / 11 ms

#### Certificates/ approvals

General Product Approval	EMV	Test Certificates
 EG-Konf.		 UL
		 RCM
		<a href="#">Special Test Certificate</a>

#### Maritime application

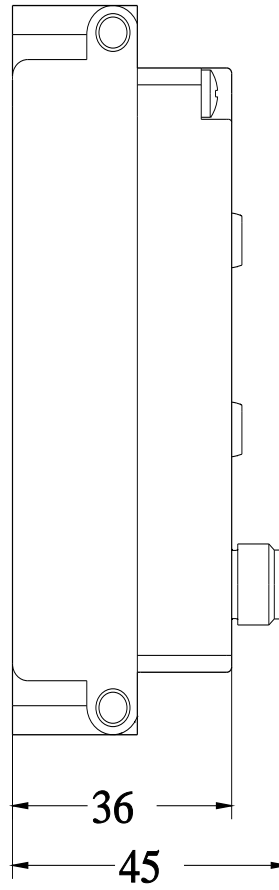
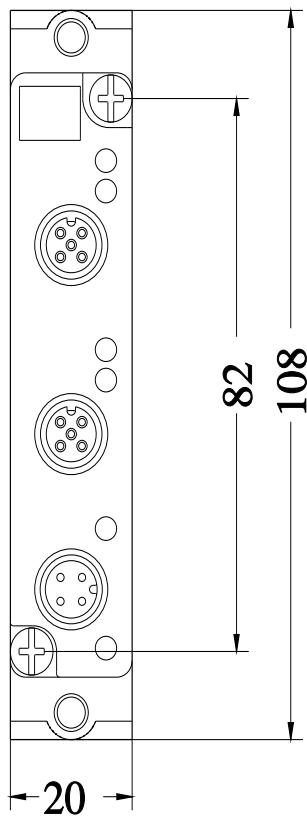
Maritime application	other
	
	
	<a href="#">Confirmation</a>
	<a href="#">Miscellaneous</a>

#### Environment

[Environmental Confirmations](#)

#### Further information

Information on the packaging  
<https://support.industry.siemens.com/cs/ww/en/view/109813875>  
 Information for data generation and storage  
<https://support.industry.siemens.com/cs/ww/en/view/109995012>  
 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  
<https://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, ...)  
[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RK1205-0BQ30-0AA3&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1205-0BQ30-0AA3&lang=en)



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