



ASISAFE COMPACT MODULE K20F, IP67,
DIGITAL, 2F-DI,
2 X SAFE INPUT CAT. 1/2 OR 1 X SAFE INPUT CAT. 3/4 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
Design of the electrical connection / of the inputs and outputs		M12 screw-type terminals
AS interface / total current input / max	mA	45
operating voltage	V	26.5 ... 31.6
• according to AS-Interface specification		
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
Status display		
• display of I/Os		yellow LED
• display of Uaux		not required
• display of AS-Interface/diagnostics		green/red dual LED
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 operating	°C	-25 ... +70
• during storage	°C	-40 ... +85
Protection class IP		IP67
Mechanical design:		
Width	mm	20
Height	mm	108
Depth	mm	45
Mounting type		no mounting plate required
Certificates/approvals:		
AS-Interface certificate		yes
Approvals		UL and CSA requested

General Product Approval

Functional Safety / Safety of Machinery

Declaration of Conformity



GOST



UL



VDE



EG-Konf.

Test Certificates

[Special Test
Certificate](#)

Shipping Approval



ABS



BUREAU
VERITAS



LRS



PRS



RINA



RMRS

other

[Confirmation](#)

[Declaration of
Conformity](#)

[other](#)

[Environmental
Confirmations](#)

Further information:

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

<http://www.siemens.com/industrial-controls/mall>

CAX-Online-Generator

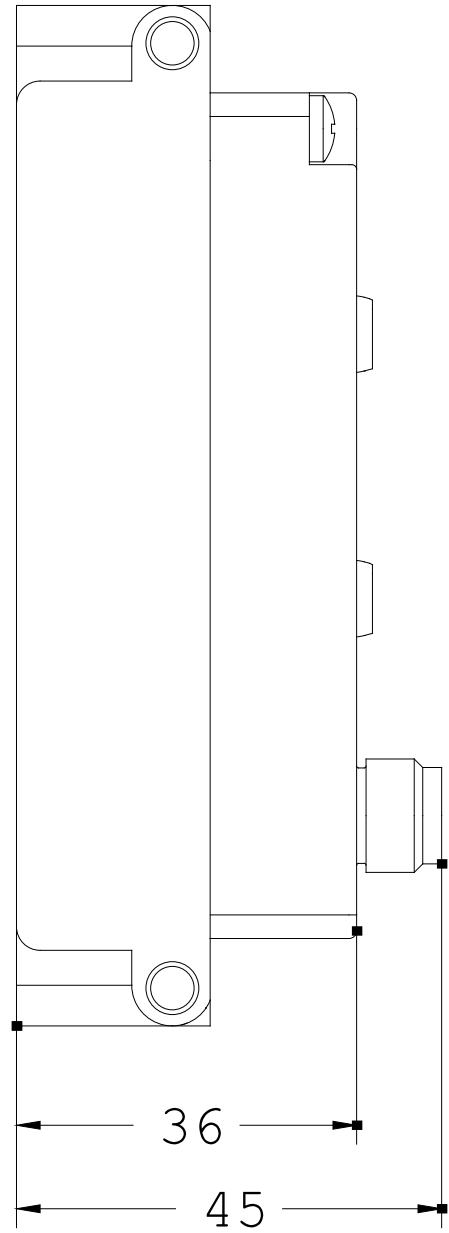
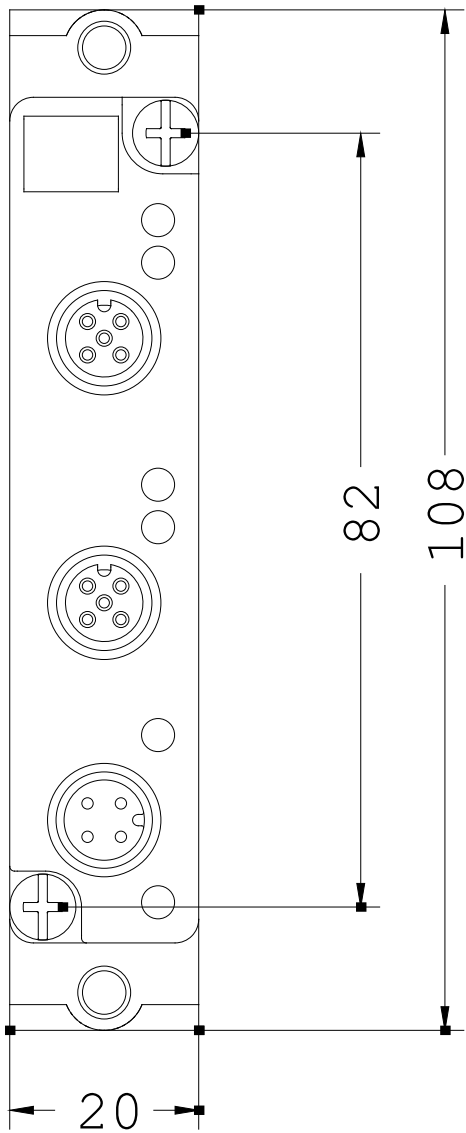
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RK1205-0BQ30-0AA3/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RK1205-0BQ30-0AA3



last change:

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