



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
Type of electrical connection of the inputs and outputs		M12 screw-type terminals
AS interface total current input max	mA	45
operating voltage according to AS-Interface specification	V	26.5 ... 31.6
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
Status display <ul style="list-style-type: none">• display of I/Os• display of Uaux• display of AS-Interface/diagnostics		yellow LED not required green/red dual LED
Assignment of data bits <ul style="list-style-type: none">• 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 <ul style="list-style-type: none">• during operation• during storage	°C	-25 ... +70
	°C	-40 ... +85
Protection class IP		IP67

Mechanical data:

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
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[Type Examination Certificate](#)



Test Certificates	Shipping Approval
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[Special Test Certificate](#)



Shipping Approval	other
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[Environmental Confirmations](#)

[Declaration of Conformity](#)

[Confirmation](#)

[other](#)

Further information

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

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

Industry Mall (Online ordering system)

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

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK12050BQ300AA3>

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

<http://support.automation.siemens.com/WW/view/en/3RK12050BQ300AA3/all>

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

<http://www.automation.siemens.com/bilddb/index.aspx?attID9=3RK12050BQ300AA3&lang=en>

