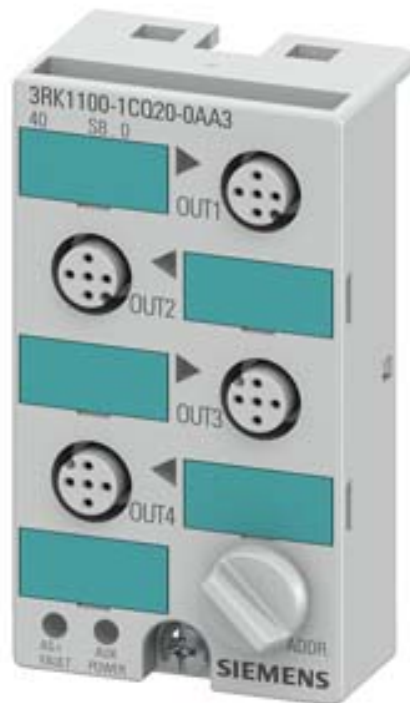


AS-INTERFACE COMPACT MOD. K45, IP67, DIGITAL,
4 OUTPUTS, 4 X OUTP., ELECTR., 1.0A, DC 24V
3AMAX. FOR ALL OUTPUTS 4 X M12 SOCKET



General technical data:

Design of the product		digital I/O modules for operation in the field, IP67 - K45
Type		4 outputs
Design of the slave type		standard slave
I/O configuration		8
ID/ID2 code		0/F
Number I/O sockets		4
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 spezifikation	V	26.5 ... 31.6
Ground terminal		Using PIN5 on the M12 sockets. Outgoing via flat tab sleeve (2.8 x 0.8 mm form A)
Addressing		front addressing socket
AS interface Connection Polarity reversal protection		built-in
Delivery note		the modules are delivered without mounting plate
Note 1		All K45 compact modules are delivered with stainless steel screws/sockets

Note 2		An external additional supply (AUX POWER) of 20 to 30 V DC is required for the supply of the output circuits. The additional supply must comply with VDE 0106 (PELV), protection class III.
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Sensor supply:

Ampacity of the sensor supply for all inputs		
at ambient temperature 40 °C	mA	200

Inputs:

Number of digital inputs		0
Type of connection		2- and 3-wire technology
Input circuit		PNP transistor
Inputs sensor supply using AS-Interface		short-circuit and overload resistant

Outputs:

Number of digital outputs		4
Type of voltage of output voltages		DC
Outputs external power supply 24 V DC		using black AS-Interface flat cable
Output current at digital output for signal <1> Rated value	A	1
Outputs aggregate current		
max	A	3
Type of switching output		PNP transistor
Design of the pin assignment of the outputs		standard assignment
Outputs socket assignment		3 = "-", 4 = output, 5 = ground terminal
Property of the output Short-circuit proof		Yes
Outputs		
- short-circuit protection - induction protection - watchdog		built-in built-in built-in
Status display		
- display of I/Os - display of Uaux - display of AS-Interface/diagnostics		yellow LED green LED green/red dual LED
Assignment of data bits		
- socket - socket 2 - socket 3 - socket 4		PIN 4 = OUT1 (D0) PIN 4 = OUT2 (D1) PIN 4 = OUT3 (D2) PIN 4 = OUT4 (D3)

Ambient conditions:

Ambient temperature		
during operation	°C	-25 ... +85
during storage	°C	-40 ... +85

Protection class IP		IP67
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Mechanical data:

Width	mm	45
Height	mm	80
Depth	mm	30
Mounting type		standard rail mounting/wall mounting using mounting plate for K45 compact module

Certificates/ approvals:

AS-Interface certificate		yes
Approvals		UL, CSA, shipbuilding

General Product Approval	Functional Safety/Safety of Machinery	Declaration of Conformity	Shipping Approval
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[sonstig](#)



Shipping Approval	other
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other

[Bestätigungen](#)

[Umweltbestätigung](#)

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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

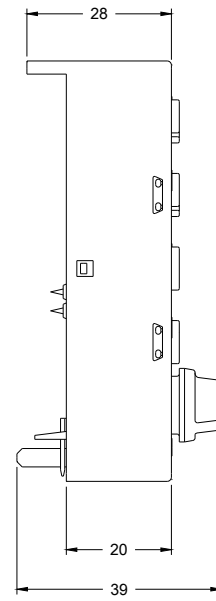
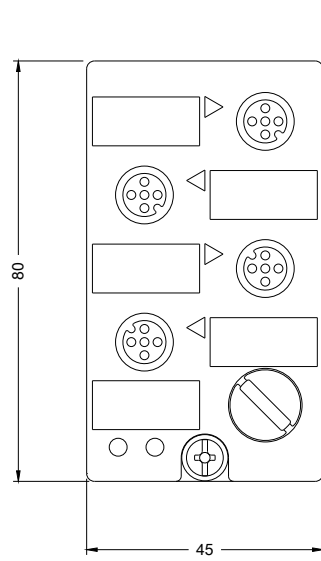
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1100-1CQ20-0AA3>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK1100-1CQ20-0AA3>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1100-1CQ20-0AA3&lang=en



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