

AS-i compact module K45 digital A/B slave, 8 DI, IP67 4 x 2 inputs, max. 200 mA 4 x M12 socket with Y assignment Mounting plate 3RK1901-2EA00 or mounting plate 3RK191-2DA00 must be ordered separately

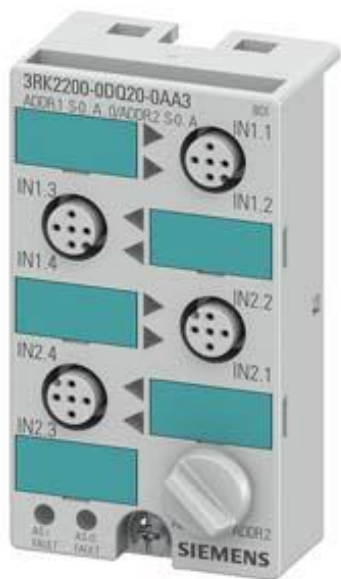


Figure similar

General technical data	
Design of the product	digital I/O modules for operation in the field, IP67 - K45
Type	8 inputs
Design of the slave type	A/B slave
I/O configuration	0
ID/ID2 code	A/0
Number I/O sockets	8
Type of electrical connection of the inputs and outputs	M12 screw-type terminals
AS interface total current input max	270 mA
Total current for all inputs and outputs	200 mA
operating voltage according to AS-Interface spezifikation	18 ... 31.6 V
Ground terminal	Using PIN5 on the M12 sockets. Outgoing via flat tab sleeve (2.8 x 0.8 mm form A)
Addressing	front double-addressing socket
AS interface Connection Polarity reversal protection	built-in
Delivery note	the modules are delivered without mounting plate

Note 1	Module needs two addresses
Note 2	The maximum current carrying capacity per module for all inputs and sensor supply is 200 mA

Sensor supply	
Type of voltage supply for power supply	using AS-Interface
Input voltage	16.5 ... 30 V
Property of the sensor supply Short-circuit and overload resistant	Yes
Ampacity of the sensor supply for all inputs • at ambient temperature 40 °C	200 mA

Inputs	
Number of digital inputs	8
Type of connection	2- and 3-wire technology
Input circuit	PNP transistor
Type of voltage of the input voltages	DC
Inputs switching level High min	10 V
Input current at digital input • for signal <1> minimum • with signal <0> maximum	6 mA 1.5 mA
Inputs sensor supply using AS-Interface	short-circuit and overload resistant
Inputs socket assignment • PIN 1 • PIN 2 • PIN 3 • PIN 4 • PIN 5	sensor supply L+ data input 2 sensor supply L- data input 1 ground terminal
Design of the pin assignment of the inputs	Y assignement

Outputs	
Number of digital outputs	0
Outputs external power supply 24 V DC	not required
Status display • display of I/Os • display of Uaux • display of AS-Interface/diagnostics	yellow LED not required green/red dual LED (2 diodes)
Assignment of data bits • socket • socket 2 • socket 3 • socket 4	PIN 4 = IN1 (D0), PIN 2 = IN2 (D1) / Addr.1 PIN 4 = IN3 (D2), PIN 2 = IN4 (D3) / Addr.1 PIN 4 = IN1 (D0), PIN 2 = IN2 (D1) / Addr.2 PIN 4 = IN3 (D2), PIN 2 = IN4 (D3) / Addr.2

Ambient conditions	
Ambient temperature	

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

Protection class IP IP67

Mechanical data

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

Certificates/approvals

AS-Interface certificate	requested
Approvals	UL, CSA, shipbuilding requested

General Product Approval

Declaration of Conformity

Shipping Approval



CSA

UL

EG-Konf.

ABS

LRS

Shipping Approval

other



PRS



RMRS



ASi

[Confirmation](#)

[Miscellaneous](#)

Further information

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

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

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK2200-0DQ20-0AA3>

Cax online generator

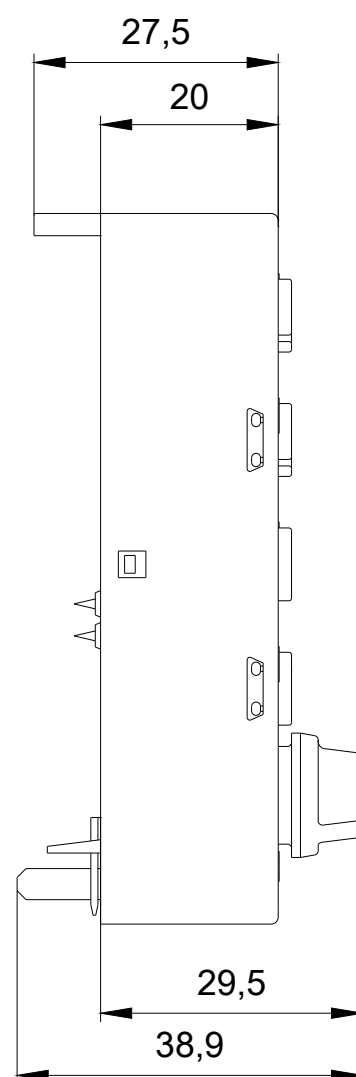
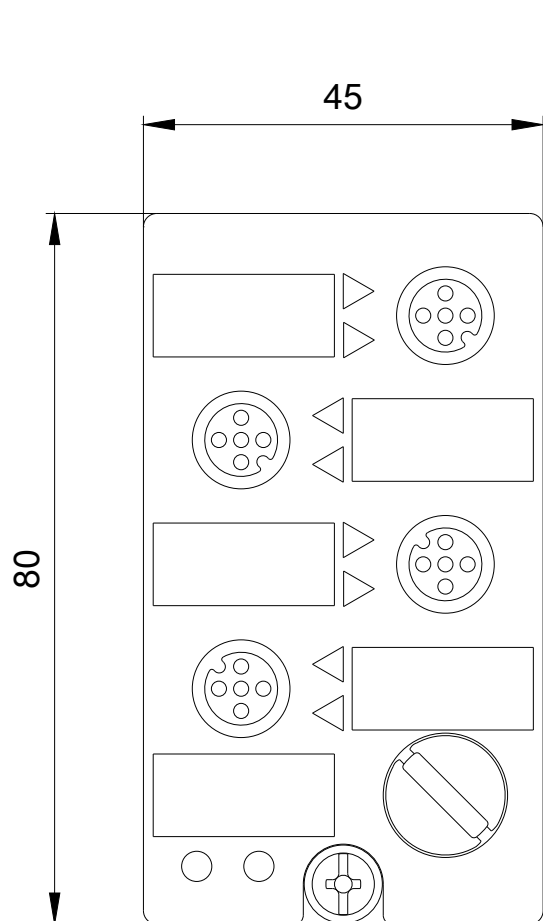
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK2200-0DQ20-0AA3>

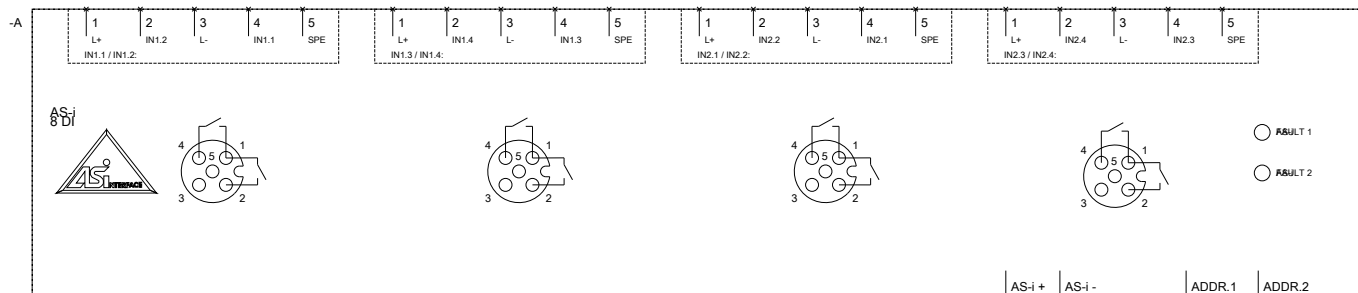
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

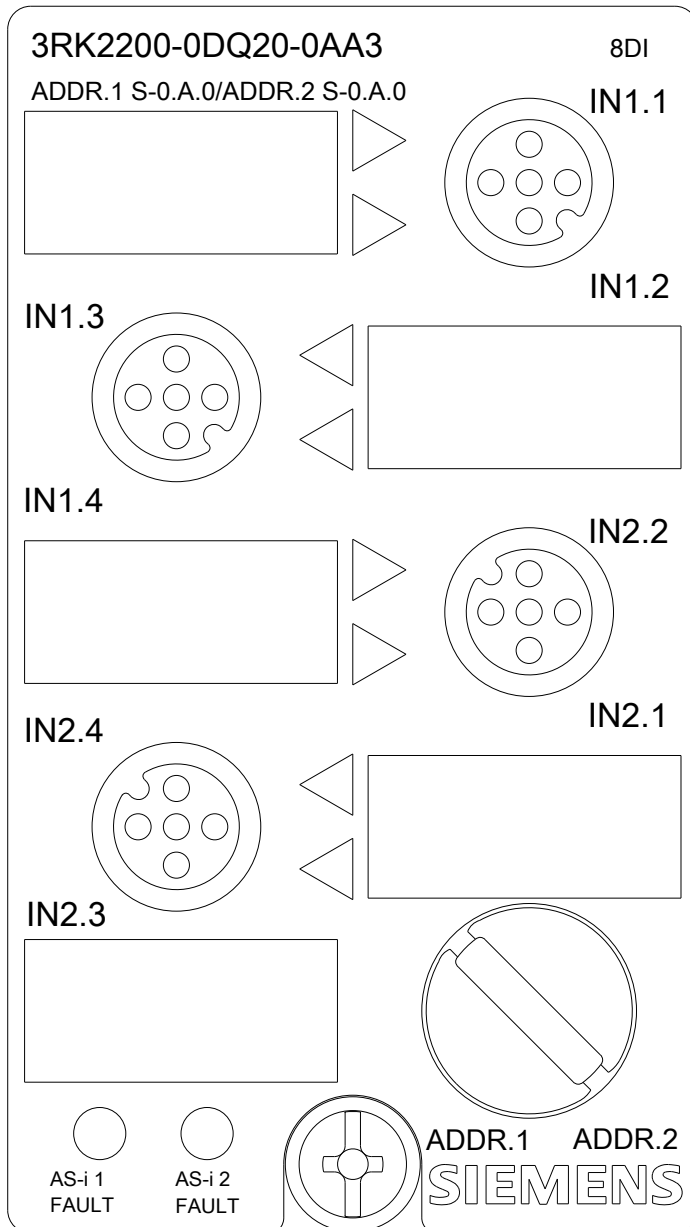
<https://support.industry.siemens.com/cs/ww/en/ps/3RK2200-0DQ20-0AA3>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK2200-0DQ20-0AA3&lang=en







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04/27/2018