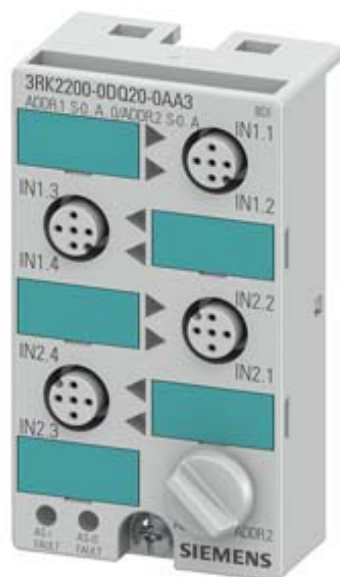


AS-i compact module K45 digital A/B slave, 8 DI, IP67 4 x 2 inputs, max. 200 mA 4 x M12 socket with Y assignment Mounting plate 3RK1901-2EA00 or mounting plate 3RK191-2DA00 must be ordered separately



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 specification	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	200 mA	
• at ambient temperature 40 °C		
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	6 mA 1.5 mA	
• for signal <1> minimum		
• with signal <0> maximum		
Inputs sensor supply using AS-Interface	short-circuit and overload resistant	
Inputs socket assignment	sensor supply L+ data input 2 sensor supply L- data input 1 ground terminal	
• PIN 1		
• PIN 2		
• PIN 3		
• PIN 4		
• PIN 5	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	
Display		
Status display	yellow LED not required green/red dual LED (2 diodes)	
• display of I/Os		
• display of Uaux		
• display of AS-Interface/diagnostics		
Assignment of the data bits		
Assignment of data bits	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	
• socket		
• socket 2		
• socket 3		
• socket 4		

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

General Product Approval



CSA



UL



RCM



EG-Konf.

[Miscellaneous](#)

Shipping Approval



ABS



LRS



PRS



RMRS



ASi

other

[Confirmation](#)

other

[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

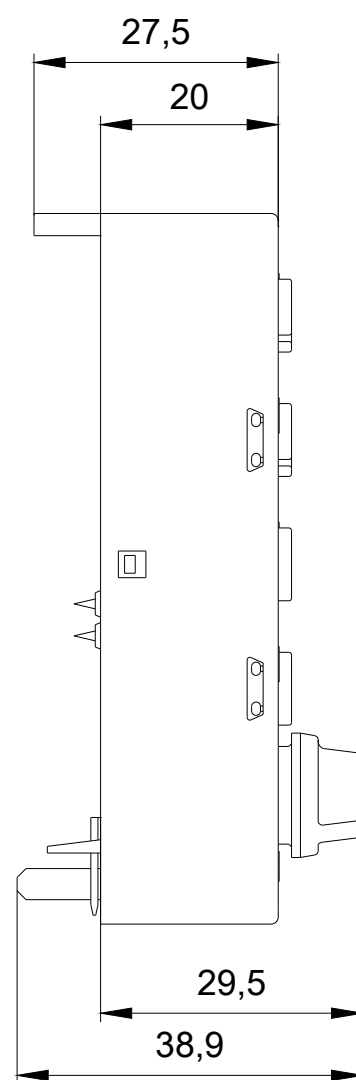
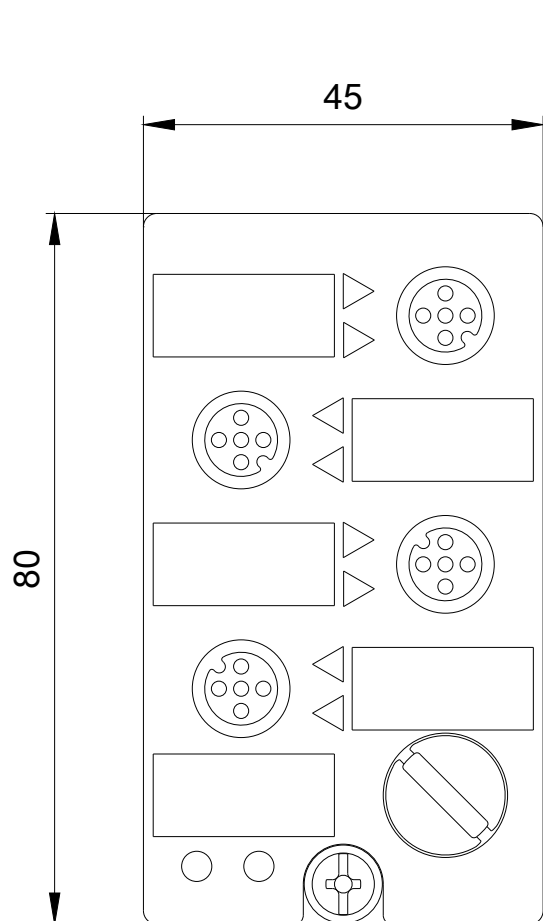
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK2200-0DQ20-0AA3>

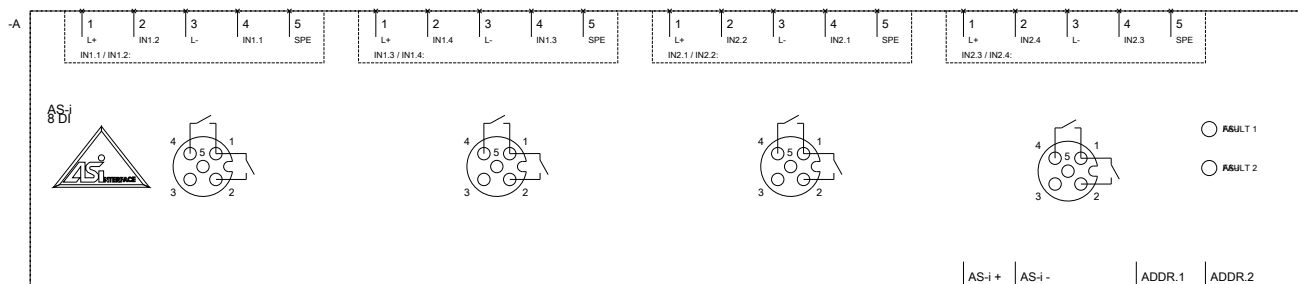
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

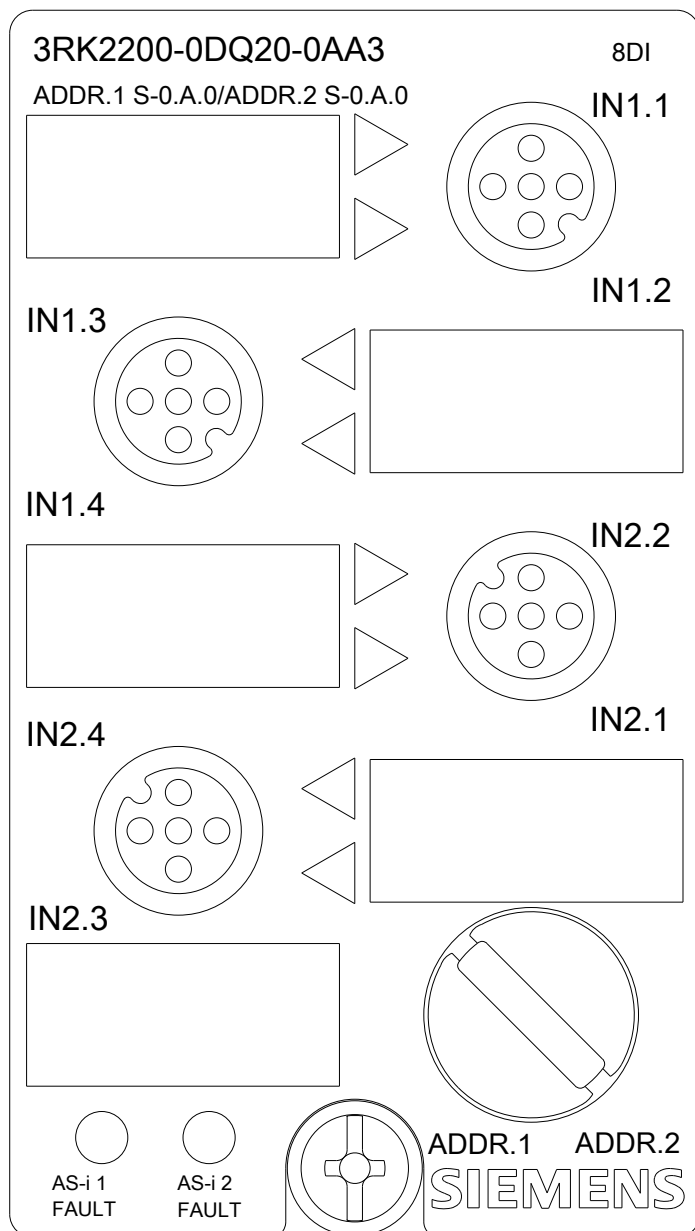
<https://support.industry.siemens.com/cs/ww/en/ps/3RK2200-0DQ20-0AA3>

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







last modified:

07/26/2019