

AS-INTERFACE COMPACT MOD. K45,
A/B-SLAVE,DIGITAL, 2X2I, IP67,
2X2 INPUT, MAX. 200 MA,
PNP 2 X M12-SOCKET Y-ASSIGNMENT MOUNTING
PLATE 3RK1901-2EA00 OR 3RK1901-2DA00 TO BE
ORDERED SEPARATELY

General technical data:

Design of the product		digital I/O modules for operation in the field, IP67 - K45
Type		2 x 2 inputs
Design of the slave type		A/B slave
I/O configuration		0
ID/ID2 code		A/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	270
operating voltage • according to AS-Interface specification	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

Sensor supply:

Type of voltage supply / for the sensor supply		using AS-Interface
Input voltage	V	20 ... 30
Characteristic feature of the sensor supply / short-circuit and overload resistant		Yes
Current carrying capacity / of the sensor supply / for all inputs • at ambient temperature 40 °C	mA	200

Inputs:

Number of digital inputs		4
Type of connection		2- and 3-wire technology
Input circuit		PNP transistor

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

Outputs:

Number of digital outputs

0

Status display

- display of I/Os
- display of Uaux
- display of AS-Interface/diagnostics

yellow LED
not required
green/red dual LED

Assignment of data bits

- socket
- socket 2
- socket 3
- socket 4

PIN 4 = IN1 (D0), PIN 2 = IN2 (D1)
not available
not available
PIN 4 = IN3 (D2), PIN 2 = IN4(D3)

Ambient conditions:

Ambient temperature

- during operating
- during storage

°C -25 ... +85
°C -40 ... +85

Protection class IP

IP67

Mechanical design:

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



Shipping Approval



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

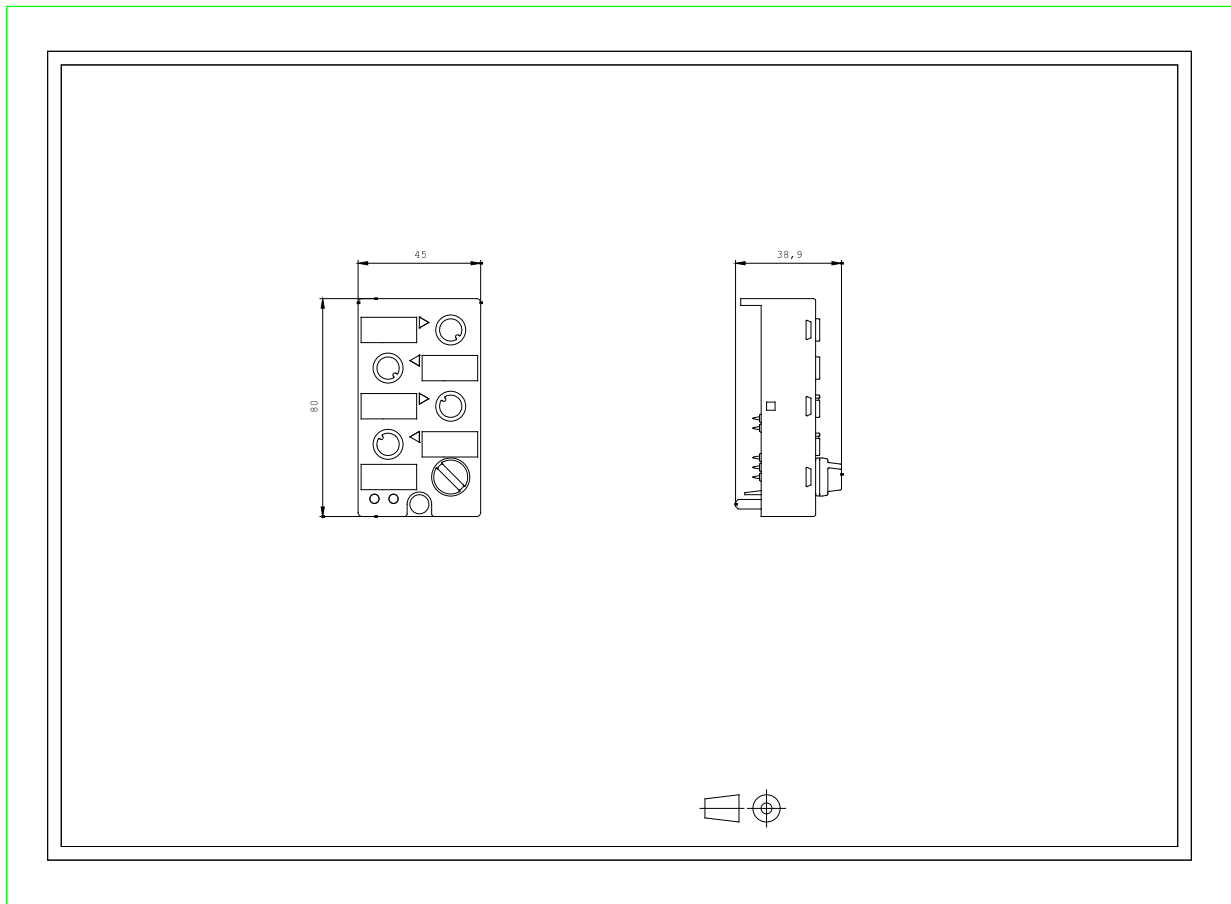
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RK2200-0CQ22-0AA3/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RK2200-0CQ22-0AA3



last change:

Jun 16, 2014