



AS-INTERFACE COMPACT MOD. K45,
A/B-SLAVE,DIGITAL, 4I, IP67,
4X1 INPUT, MAX. 200 MA,
PNP 4 X M8-SOCKET SCREW MOUNTING 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		4 inputs
Design of the slave type		A/B slave
I/O configuration		0
ID/ID2 code		A/0
Number / I/O sockets		4
Design of the electrical connection / of the inputs and outputs		M8 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		not available
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 • at signal <0> / maximum	mA mA	6 1.5
Inputs • sensor supply using AS-Interface		short-circuit and overload resistant
Inputs / socket assignment • PIN 1 • PIN 3 • PIN 4		sensor supply L+ sensor supply L- data input
Design of the pin assignment / of the inputs		standard assignement

Outputs:

Number of digital outputs		0
----------------------------------	--	---

Status display

• display of I/Os		yellow LED
• display of Uaux		not required
• display of AS-Interface/diagnostics		green/red dual LED

Assignment of data bits

• socket		PIN 4 = IN1 (D0)
• socket 2		PIN 4 = IN2 (D1)
• socket 3		PIN 4 = IN3 (D2)
• socket 4		PIN 4 = IN4 (D3)

Ambient conditions:

Ambient temperature		
• during operating	°C	-25 ... +85
• during storage	°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

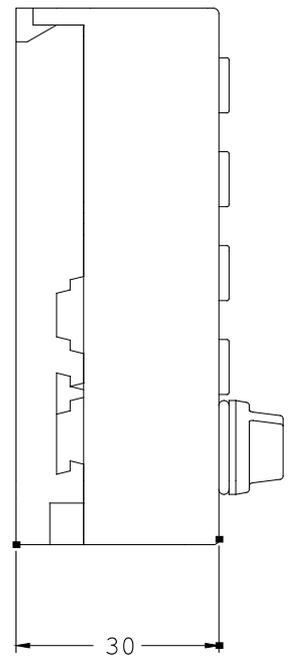
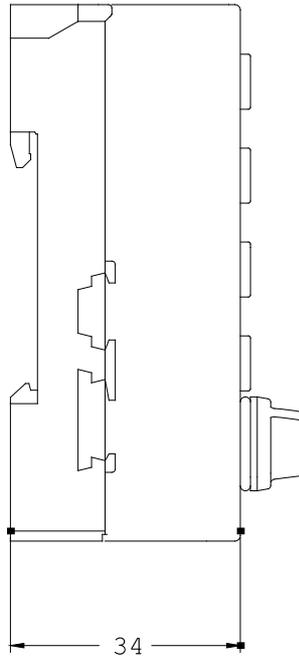
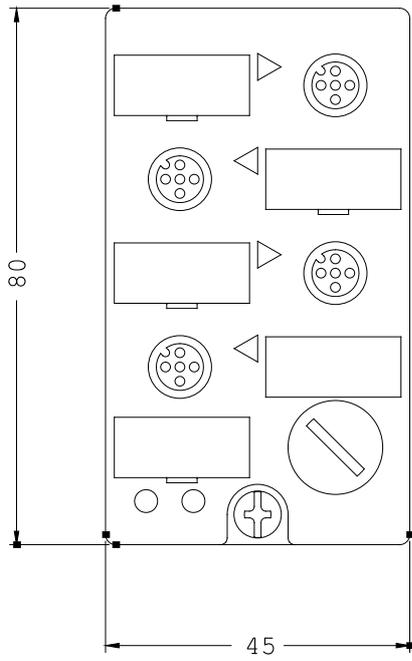
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RK2200-OCT20-0AA3/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RK2200-OCT20-0AA3



last change:

Jun 16, 2014