



SIMATIC NET, DP/AS-Interface Link 20 E, Gateway
 PROFIBUS DP/AS-Interface according to AS-Interface
 specification V 3.0 in degree of protection IP20

General technical data		
product designation		PROFIBUS DP/AS-Interface Link
product type designation		DP/AS-Interface Link 20E (AS-i V 3.0)
protection class IP		IP20
type of electrical connection of the AS-Interface		Screw-type connection
type of voltage supply		via AS-i
operating condition separate power supply 24 V		No
consumed current		
<ul style="list-style-type: none"> from profile conductors of the AS-Interface — at 30 V maximum 	mA	200
power loss [W]	W	4.5
insulation voltage rated value	V	500
product function suitable for AS-i Power24V		No
<ul style="list-style-type: none"> note 		from product status 2 / firmware V3.1
product feature redundancy capability		Yes
<ul style="list-style-type: none"> note 		in connection with Y-Link
product function		
<ul style="list-style-type: none"> web-based management diagnostics via email galvanic isolation 		No No Yes
display version		
<ul style="list-style-type: none"> as status display by LED 		PWR, APF, CER, AUP, CM, BF, SF
type of configuration of the AS-Interface		Set pushbutton on device, STEP7, GSD, command interface
Communication/ Protocol		
version of the AS-Interface specification		V 3.0
AS-Interface master profile is supported		M4 (in acc. with AS-interface specification V 3.0)
type of data transmission		PROFIBUS
number of interfaces		
<ul style="list-style-type: none"> as AS-Interface according to RS 485 according to Industrial Ethernet according to PROFINET according to wireless according to USB other 		1 1 0 0 0 0 0
product component optical interface		No
protocol is supported		
<ul style="list-style-type: none"> ASIsafe (Safety at work) protocol PROFIsafe protocol 		No No

• PROFIBUS protocol		Yes
• PROFINET IO protocol		No
• PROFINET CBA protocol		No
• TCP/IP		No
• SNMP		No
standard for wireless communication IEEE 802.11		No

Inputs/ Outputs

number of inputs for AS-Interface maximum		496
number of outputs for AS-Interface maximum		496
number of AS-i slaves per AS-Interface maximum		62
bus cycle time of the AS-Interface		
• for 31 slaves	ms	5
• for 62 slaves	ms	10
access to digital I/O data		via process image/peripheral addresses
access to analog I/O data		via data record transfer

Mechanical data

width	mm	90
height	mm	80
depth	mm	62
fastening method		snap-on fastening on 35 mm standard rail
module format		IP20

Ambient conditions

ambient temperature		
• if installed on horizontal mounting rail	°C	0 ... 60
• if installed on vertical mounting rail during operation	°C	0 ... 45
• during transport	°C	-40 ... +70
• during storage	°C	-40 ... +70
relative humidity at 25 °C during operation maximum	%	95
installation altitude at height above sea level maximum	m	2 000

Safety related data

suitability for use safety-related function		No
explosion protection marking for intrinsic safety of related equipment		
• EEx ia		No
• EEx ib		No
explosion protection category for gas		none
explosion protection category for dust		none

Certificates/ approvals

General Product Approval	EMC	Declaration of Conformity
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[Confirmation](#)

[FM](#)



other

[Confirmation](#)

Further information

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

<https://www.siemens.com/ic10>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mfb=6GK1415-2AA10>

Cax online generator

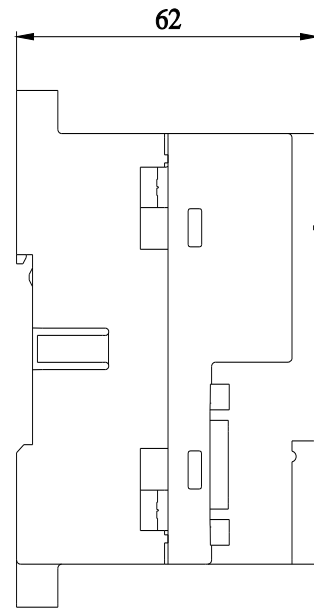
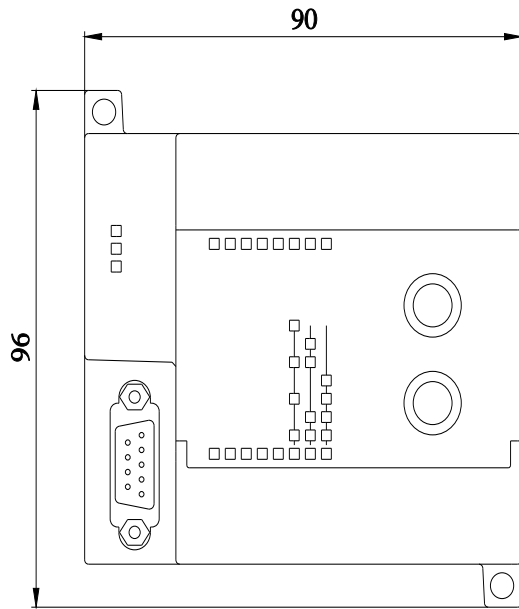
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=6GK1415-2AA10>

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

<https://support.industry.siemens.com/cs/ww/en/ps/6GK1415-2AA10>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=6GK1415-2AA10&lang=en



last modified:

1/8/2021 