



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
consumed current <ul style="list-style-type: none"><li>from profile conductors of the AS-Interface</li><li>— at 30 V maximum</li></ul>	mA	200
power loss [W]	W	4.5
insulation voltage rated value	V	500
product feature redundancy capability <ul style="list-style-type: none"><li>note</li></ul>		Yes in connection with Y-Link
product function suitable for AS-i Power24V <ul style="list-style-type: none"><li>note</li></ul>		No from product status 2 / firmware V3.1
product function <ul style="list-style-type: none"><li>web-based management</li><li>diagnostics via email</li><li>galvanic isolation</li></ul>		No No Yes
display version <ul style="list-style-type: none"><li>as status display by LED</li></ul>		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"><li>as AS-Interface</li><li>according to RS 485</li><li>according to Industrial Ethernet</li><li>according to PROFINET</li><li>according to wireless</li><li>according to USB</li><li>other</li></ul>		1 1 0 0 0 0 0
product component optical interface		No
protocol is supported <ul style="list-style-type: none"><li>ASIsafe (Safety at work) protocol</li><li>PROFIsafe protocol</li><li>PROFIBUS protocol</li><li>PROFINET IO protocol</li></ul>		No No Yes No

• PROFINET CBA protocol		No
• TCP/IP		No
• SNMP		No
standard for wireless communication IEEE 802.11		No
<b>Inputs/ Outputs</b>		
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
<b>Mechanical data</b>		
width	mm	90
height	mm	80
depth	mm	62
fastening method		snap-on fastening on 35 mm DIN rail
module format		IP20
<b>Ambient conditions</b>		
ambient temperature		
• if installed on horizontal mounting rail during operation	°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
<b>Safety related data</b>		
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		II 3 G Ex ec IIC T4 Gc
explosion protection category for dust		none
<b>Certificates/ approvals</b>		
General Product Approval		EMV



[FM](#)

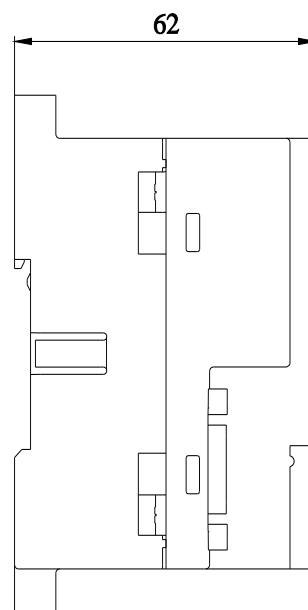
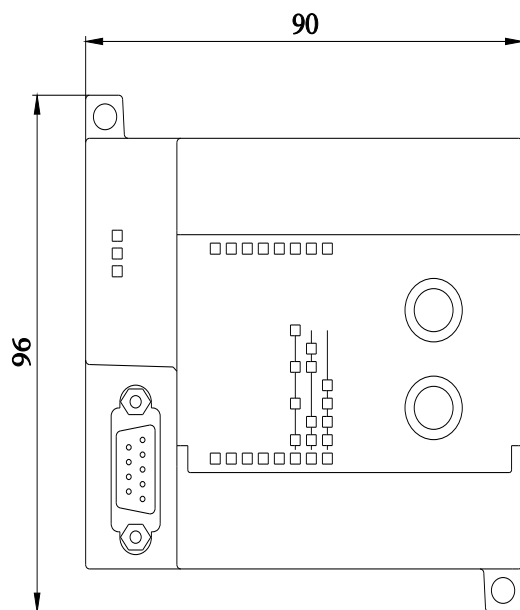


[KC](#)

For use in hazardous locations	Test Certificates	other	Environment
		<a href="#">Special Test Certificate</a>	<a href="#">Environmental Confirmations</a>

#### Further information

Information on the packaging  
<https://support.industry.siemens.com/cs/ww/en/view/109813875>  
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?mlfb=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](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=6GK1415-2AA10&lang=en)



last modified:

4/1/2025 