



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

<b>product designation</b>		PROFIBUS DP/AS-Interface Link
<b>protection class IP</b>		IP20
<b>type of electrical connection of the AS-Interface</b>		Screw-type connection
<b>type of voltage supply</b>		via AS-i
<b>consumed current</b>		
<ul style="list-style-type: none"> <li>from profile conductors of the AS-Interface</li> <li>— at 30 V maximum</li> </ul>	mA	200
<b>power loss [W]</b>	W	4.5
<b>insulation voltage rated value</b>	V	500
<b>product feature redundancy capability</b>		Yes
<ul style="list-style-type: none"> <li>note</li> </ul>		in connection with Y-Link
<b>product function suitable for AS-i Power24V</b>		No
<ul style="list-style-type: none"> <li>note</li> </ul>		from product status 2 / firmware V3.1
<b>product function</b>		
<ul style="list-style-type: none"> <li>web-based management</li> <li>diagnostics via email</li> <li>galvanic isolation</li> </ul>		No No Yes
<b>display version</b>		
<ul style="list-style-type: none"> <li>as status display by LED</li> </ul>		PWR, APF, CER, AUP, CM, BF, SF
<b>type of configuration of the AS-Interface</b>		Set pushbutton on device, STEP7, GSD, command interface

### Communication/ Protocol

<b>version of the AS-Interface specification</b>		V 3.0
<b>AS-Interface master profile is supported</b>		M4 (in acc. with AS-interface specification V 3.0)
<b>type of data transmission</b>		PROFIBUS
<b>number of interfaces</b>		
<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
<b>product component optical interface</b>		No
<b>protocol is supported</b>		
<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
<b>standard for wireless communication IEEE 802.11</b>		No

### Inputs/ Outputs

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

### Mechanical data

<b>width</b>	mm	90
<b>height</b>	mm	80
<b>depth</b>	mm	62
<b>fastening method</b>		snap-on fastening on 35 mm DIN rail
<b>module format</b>		IP20

### Ambient conditions

<b>ambient temperature</b>		
• 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
<b>relative humidity at 25 °C during operation maximum</b>	%	95
<b>installation altitude at height above sea level maximum</b>	m	2 000

### Safety related data

<b>suitability for use safety-related function</b>		No
<b>explosion protection marking for intrinsic safety of related equipment</b>		
• EEx ia		No
• EEx ib		No
<b>explosion protection category for gas</b>		II 3 G Ex ec IIC T4 Gc
<b>explosion protection category for dust</b>		none

### Certificates/ approvals

<b>General Product Approval</b>	EMV
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[FM](#)



[KC](#)

<b>For use in hazardous locations</b>	<b>Test Certificates</b>	<b>other</b>	<b>Environment</b>
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[Special Test Certificate](#)

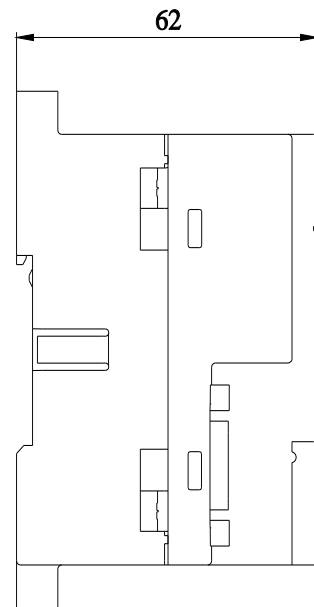
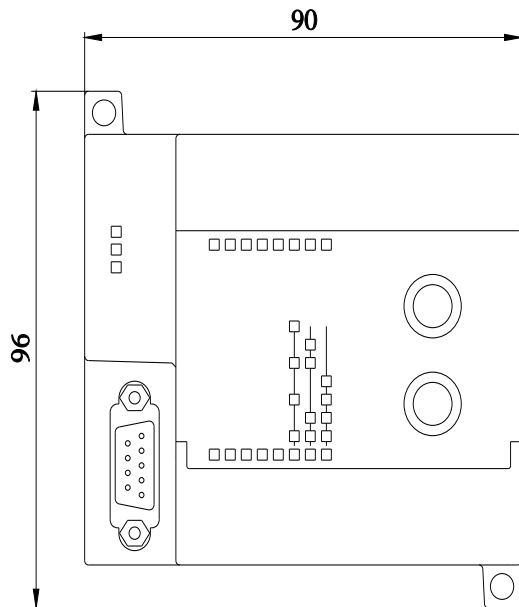


[Confirmation](#)

[Environmental Confirmations](#)

### Further information

- Information on the packaging  
<https://support.industry.siemens.com/cs/ww/en/view/109813875>
- Information for data generation and storage  
<https://support.industry.siemens.com/cs/ww/en/view/109995012>
- 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  
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=6GK1415-2AA10>



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