



SIMATIC NET,  
DP/AS-INTERFACE LINK 20 E ;  
GATEWAY PROFIBUS-DP / AS-INTERFACE ACC. TO AS-  
INTERFACE SPEC. V3.0 IN PROTECTION MODE IP20.

### General technical data:

<b>product designation</b>		PROFIBUS DP/AS-Interface Link
<b>Product-type designation</b>		DP/AS-Interface Link 20E (AS-i V 3.0)
<b>Protection class IP</b>		IP20
<b>Design of the electrical connection / of the AS-Interface</b>		Screw-type connection
<b>Type of voltage supply</b>		via AS-i
<b>Operating condition / separate power supply 24 V</b>		No
<b>Current consumed</b>		
• from shaped cables of AS-Interface		
• with external 24 V-supply voltage / maximum	mA	200
<b>Resistive loss</b>	W	4.5
<b>Insulation voltage / rated value</b>	V	500
<b>Product function / adapted for AS-i Power24V</b>		No
<b>Product feature / redundancy capability</b>		Yes
• comment		in connection with Y-Link
<b>Product function / web-based management</b>		No
<b>Product function / diagnosis via E-mail</b>		No
<b>Product function / galvanic isolation</b>		Yes
• as status display by LED		PWR, APF, CER, AUP, CM, BF, SF

<b>Type of projection / of the AS-interface</b>		Set pushbutton on device, STEP7, GSD, command interface
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<b>Communication:</b>		
<b>Version / of the AS-interface specification</b>		V 3.0
<b>AS-interface masterprofile / will be supported</b>		M4 (in acc. with AS-interface specification V 3.0)
<b>Type of data transmission</b>		PROFIBUS
<b>Number of interfaces</b>		
• as AS-interface		1
• according to RS 485		1
• according to Industrial Ethernet		0
• according to PROFINET		0
• according to wireless		0
• according to USB		0
• others		1
<b>Product component / optical interface</b>		No
<b>Protocol / will be supported</b>		
• ASIsafe(Safety at work) protocol		No
• PROFIsafe protocol		No
• PROFIBUS protocol		Yes
• PROFINET IO protocol		No
• PROFINET CBA protocol		No
• TCP/IP		No
• SNMP		No
<b>Standard for wireless communication / IEEE 802.11</b>		No

<b>Ein- und Ausgänge:</b>		
<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 slaves / per AS-Interface / maximum</b>		62
<b>Bus cycle time / of the AS-interface</b>		
• at 31 slaves	ms	5
• at 62 slaves	ms	10
<b>Access to digital I/O data</b>		via process diagram/peripheral addresses and data record transfer
<b>Access to analog I/O data</b>		via data record transfer

<b>Mechanical design:</b>		
<b>Width</b>	mm	90
<b>Height</b>	mm	80
<b>Depth</b>	mm	62

Type of mounting		snap-on fastening on 35 mm standard rail
Module format		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 operating / maximum</b>	%	95
<b>Installation altitude / at a height over sea level / maximum</b>	m	2,000

#### Safety:

<b>Acceptability for application / safety-related function</b>		No
<b>Explosion protection labeling / for intrinsic safety of related operating resources</b>		
• EEX ia		No
• EEX ib		No
<b>Explosion protection category for gas</b>		none
<b>Explosion protection category for dust</b>		none

#### Certificates/approvals:

General Product Approval	EMC	For use in hazardous locations
 GOST	 C-TICK	 ATEX

#### 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:**

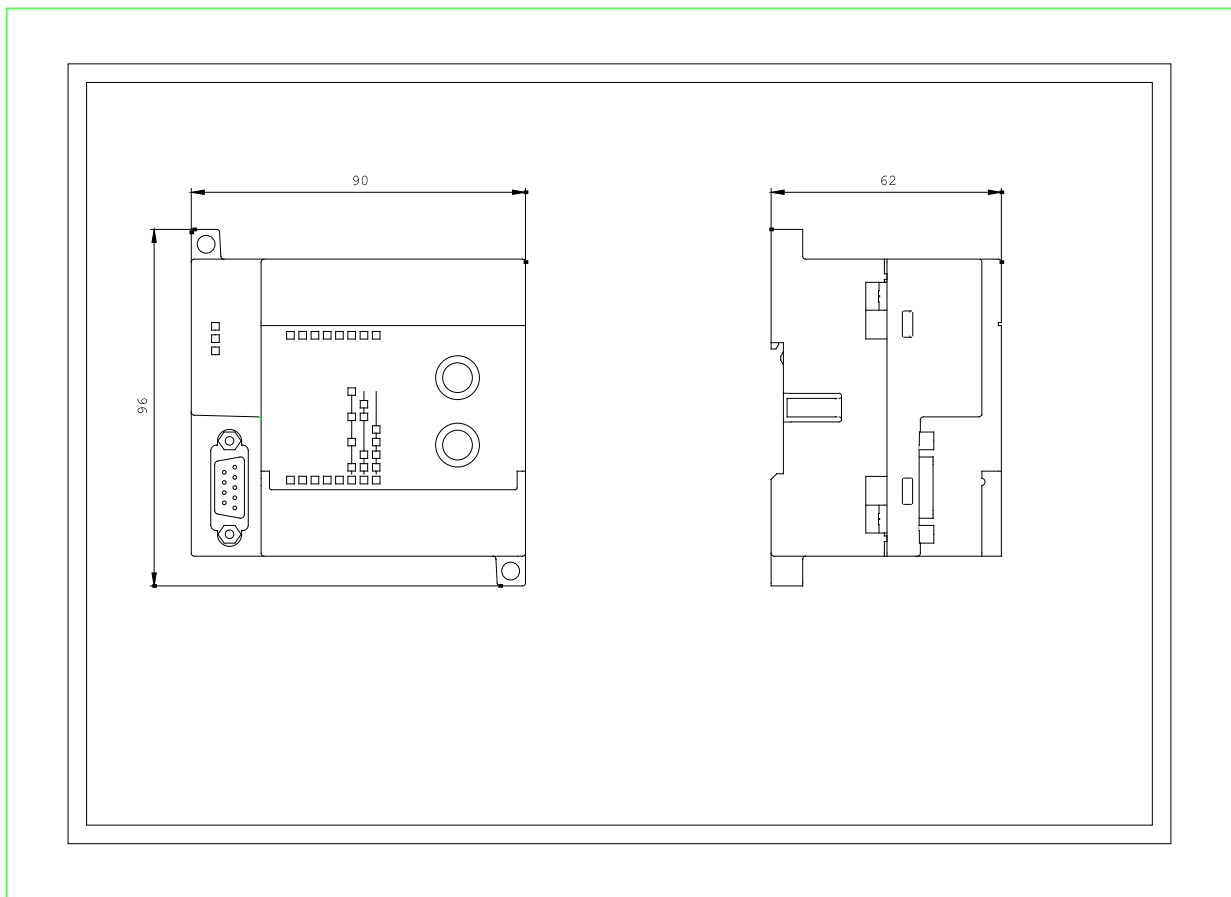
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/6GK1415-2AA10/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=6GK1415-2AA10](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=6GK1415-2AA10)



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