

Siemens 6GK1415-2AA10 Manual

Brand	Siemens
Product Series	Siemens
Product Type	designation DP/AS-Interface Link 20E (AS-i V 3.0)

Description

6GK1415-2AA10

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

- 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 feature redundancy capability Yes

- note in connection with Y-Link

product function suitable for AS-i Power24V No

- note from product status 2 / firmware V3.1

product function

- web-based management No

- diagnostics via email No

- galvanic isolation Yes

display version

- 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

- 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

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- other 0

product component optical interface No

protocol is supported

- 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

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 DIN rail

module format IP20

Ambient conditions

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

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 II 3 G Ex ec IIC T4 Gc

explosion protection category for dust none

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