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Data sheet 6BK1623-0AA00-0AA0



Figure similar

SIMATIC PN/J1939 Link, gateway from PROFINET to J1939 networks, IP20

General information	
Product type designation	PN/J1939 LINK
Firmware version	V1.0
● FW update possible	Yes
Vendor identification (VendorID)	0x002A
Product function	
● I&M data	Yes; I&M0 to I&M3
● Isochronous mode	No
Engineering with	
● STEP 7 TIA Portal configurable/integrated from version	STEP 7 V14 SP1 or higher
Installation type/mounting	
Mounting	DIN rail, wall mounting, portrait mounting
Mounting position	any
Recommended mounting position	Horizontal
Rail mounting	Yes
Control cabinet installation	Yes
Supply voltage	
Type of supply voltage	DC
Rated value (DC)	24 V
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V
Reverse polarity protection	Yes
Overvoltage protection	Yes
Short-circuit protection	Yes
Mains buffering	
● Mains/voltage failure stored energy time	10 ms; PN side
Input current	
Current consumption (rated value)	0.09 A
Current consumption, max.	0.11 A
Power loss	
Power loss, typ.	2.2 W
Interfaces	
Interfaces/bus type	2x Ethernet (RJ45), 1x Sub-D (9-pin)
Supports protocol for PROFINET IO	
● automatic detection of transmission rate	No
● Transmission rate, max.	100 Mbit/s
● Number of RJ45 ports	2
● Number of FC (FastConnect) connections	2
PROFINET functions	

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● Assignment of the IP address, supported	Yes
● Assignment of the device name, supported	Yes
1. Interface	
Interface type	J1939 according to the standard "SAE J1939"
Isolated	Yes; 500 V AC or 707 V DC
Interface types	
● Number of ports	1
● Design of the connection	9-pin sub D socket
CAN	
● CAN operating modes	J1939 according to the standard "SAE J1939"
● Transmission rate, min.	100 kbit/s
● Transmission rate, max.	500 kbit/s
● max. number of devices	30
J1939	
● Addressable ECUs, max.	30
● Logical nodes, max.	253
● PDU 1	Yes
● PDU 2	Yes
● DM data	Yes
● BAM	Yes
● CMDT	Yes
● PGN request	Yes
2. Interface	
Interface type	PROFINET
Isolated	Yes; 1 500 V AC or 2 250 V DC
Interface types	
● RJ 45 (Ethernet)	Yes
● Number of ports	2
● integrated switch	Yes
Protocols	
● PROFINET IO Device	Yes
Interrupts/diagnostics/status information	
Status indicator	Yes
Alarms	Yes
Diagnostics function	Yes
Diagnostics indication LED	
● RUN LED	Yes
● ERROR LED	Yes
● MAINT LED	Yes
● LINK LED	Yes
● RX/TX LED	Yes
Potential separation	
Potential separation exists	Yes
Degree and class of protection	
IP degree of protection	IP20
Standards, approvals, certificates	
CE mark	Yes
UL approval	Yes
cULus	Yes
RCM (formerly C-TICK)	Yes
KC approval	Yes
EAC (formerly Gost-R)	Yes
PNO certificate	Yes
RoHS conformity	Yes
Ecological footprint	
● environmental product declaration	Yes
Global warming potential	
— global warming potential, (total) [CO2 eq]	50.8 kg
— global warming potential, (during production) [CO2 eq]	14.4 kg
— global warming potential, (during operation) [CO2	36.8 kg

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eq]	
— global warming potential, (after end of life cycle) [CO2 eq]	-0.52 kg
Marine approval	
● Germanischer Lloyd (GL)	Yes
● Bureau Veritas (BV)	Yes
● Det Norske Veritas (DNV)	Yes
● Lloyds Register of Shipping (LRS)	Yes
● Nippon Kaiji Kyokai (Class NK)	Yes
Ambient conditions	
Ambient temperature during operation	
● horizontal installation, min.	-25 °C
● horizontal installation, max.	60 °C
● vertical installation, min.	-25 °C
● vertical installation, max.	55 °C
● ceiling installation, min.	-25 °C
● ceiling installation, max.	45 °C
● floor installation, min.	-25 °C
● floor installation, max.	45 °C
Ambient temperature during storage/transportation	
● min.	-40 °C
● max.	85 °C
Relative humidity	
● Operation, max.	95 %
Software	
Runtime software	
Target system	
— ET 200SP	Yes
— Open Controller	Yes
— S7-1200	Yes
— S7-1500	Yes
Dimensions	
Width	70 mm
Height	112 mm
Depth	75 mm
Weights	
Weight, approx.	212 g

Classifications

	Version	Classification
eClass	14	27-24-22-08
eClass	12	27-24-22-08
eClass	9.1	27-24-22-08
eClass	9	27-24-22-08
eClass	8	27-24-22-08
eClass	7.1	27-24-22-08
eClass	6	27-24-22-08
ETIM	10	EC001423
ETIM	9	EC001423
ETIM	8	EC001423
ETIM	7	EC001423
IDEA	4	3564
UNSPSC	15	32-15-17-05

Approvals / Certificates

General Product Approval	EMV	Maritime application

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Manufacturer Declaration

EG-Konf.

UL

KC

RCM

BUREAU VERITAS

Maritime application				Environment	Industrial Communication
DNV	LRS	NK / Nippon Kaiji Kyokai	CCS (China Classification Society)	EPD	Profibus

last modified: 9/9/2025

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