SIEMENS

Data sheet

6GK1161-6AA01

product type designation



CP 1616

transfer rate	
transfer rate	100 Mbit/s
interfaces	
number of electrical connections	
 at the 1st interface / according to Industrial Ethernet 	4
for power supply	1
type of electrical connection	
 at the 1st interface / according to Industrial Ethernet 	RJ45 port
 for power supply 	Low-voltage socket for hollow plug 3.5 mm (-) / 1.3 mm (+)
supply voltage, current consumption, power loss	
type of voltage / of the supply voltage	DC
supply voltage	
 1 / from backplane bus 	5 V
external	6 9 V
relative symmetrical tolerance / at DC	
● at 5 V	5 %
• at 12 V	5 %
consumed current	
 1 / from backplane bus / at DC / maximum 	0.8 A
 from external supply voltage / at DC / at 6 V / maximum 	0.65 A
 from external supply voltage / at DC / at 9 V / maximum 	0.45 A
power loss [W]	4 W
power loss [W] / in switch mode / maximum	4.1 W
ambient conditions	
ambient temperature	
 during operation 	5 70 °C
during storage	-40 +60 °C
during transport	-20 +60 °C
relative humidity / at 25 °C / without condensation / during operation / maximum	95 %
protection class IP	IP00
design, dimensions and weights	
module format	PCI
width	18 mm
height	107 mm
depth	167 mm
net weight	110 g
product features, product functions, product components / general	
number of plug-in cards of same design / plug-in / per PC	1

mumber of units / note - oddramases data / SPORINET IO communication / required No mumber of PN is dones / on PROFINET IO controller / c	station	
anfware / for EPOPHE TI 0 communication / required No imprinter of FND OHT devices / on PROFINET IO controller / operate/s / food 128 imprinter of FND OHT devices / on PROFINET IO controller / maximum 64 i as user data for input variables / as PROFINET IO controller / maximum 6192 byte i as user data for input variables / as PROFINET IO controller / maximum 6192 byte i as user data for input variables / as PROFINET IO controller / maximum 6192 byte i as user data for input variables / as PROFINET IO controller / maximum 6192 byte i as user data for input variables / as PROFINET IO controller / maximum 6192 byte i as user data for input variables / as PROFINET IO controller / maximum 1430 byte i maximum i user data for input variables / as PROFINET IO controller / maximum 1430 byte i maximum i user data for input variables / as PROFINET IO controller / maximum 1430 byte i maximum i user data for input variables / as PROFINET IO controller / maximum 1430 byte i maximum i user data for input variables / as PROFINET IO controller / maximum 1430 byte i maximum i user data for input variables / as PROFINET IO controller / maximum 254 byte i maximum i user data for in		-
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• redundancy manager Yes protocol / is supported / Media Redundancy Protocol (MRP) Yes standards, specifications, approvals standard • for EMC 89/336/EEC • for safety / from CSA and UL CAN/CSA C22.2 & UL 60950-1 • for emitted interference EN 61000-6-3, EN 61000-6-4	product function	
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standards, specifications, approvals standard • for EMC • for safety / from CSA and UL • for emitted interference EN 61000-6-3, EN 61000-6-4	 redundancy manager 	Yes
standard 89/336/EEC • for EMC 89/336/EEC • for safety / from CSA and UL CAN/CSA C22.2 & UL 60950-1 • for emitted interference EN 61000-6-3, EN 61000-6-4	protocol / is supported / Media Redundancy Protocol (MRP)	Yes
• for EMC89/336/EEC• for safety / from CSA and ULCAN/CSA C22.2 & UL 60950-1• for emitted interferenceEN 61000-6-3, EN 61000-6-4	standards, specifications, approvals	
for safety / from CSA and UL CAN/CSA C22.2 & UL 60950-1 for emitted interference EN 61000-6-3, EN 61000-6-4	standard	
for emitted interference EN 61000-6-3, EN 61000-6-4	• for EMC	89/336/EEC
for emitted interference EN 61000-6-3, EN 61000-6-4	 for safety / from CSA and UL 	CAN/CSA C22.2 & UL 60950-1
	-	EN 61000-6-3, EN 61000-6-4
tor interference immunity EN 61000-6-1, EN 61000-6-2	for interference immunity	EN 61000-6-1, EN 61000-6-2

certificate of suitability	
CE marking	Yes
• C-Tick	Yes
further information / internet links	
internet link	
 to web page: selection aid TIA Selection Tool 	http://www.siemens.com/tia-selection-tool
 to website: Industrial communication 	http://www.siemens.com/simatic-net
to website: Industry Mall	http://www.siemens.com/industrial-controls/mall
 to website: Information and Download Center 	http://www.siemens.com/industry/infocenter
 to website: Image database 	http://automation.siemens.com/bilddb
 to website: CAx-Download-Manager 	http://www.siemens.com/cax
 to website: Industry Online Support 	https://support.industry.siemens.com
security information	
security information	Siemens provides products and solutions with industrial security functions that support the secure operation of plants, solutions, machines, equipment and/or networks. They are important components in a holistic industrial security concept. With this in mind, Siemens' products and solutions undergo continuous development. Siemens recommends strongly that you regularly check for product updates. For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action (e.g. cell protection concept) and integrate each component into a holistic, state-of-the-art industrial security concept. Third-party products that may be in use should also be considered. For more information about industrial security, visit http://www.siemens.com/industrialsecurity. To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit http://support.automation.siemens.com. (V3.4)

last modified:

11/9/2023 🖸