SIEMENS

Data sheet 6AG1106-2BB00-7AC2



Figure similar

SIPLUS NET SCALANCE XC106-2 based on 6GK5106-2BB00-2AC2 with conformal coating, -40…+70 °C, SCALANCE XC106-2, unmanaged IE switch, 6x 10/100 Mbps RJ45 ports, 2x 100 Mbps multimode BFOC, LED diagnostics, error-signaling contact with set pushbutton, redundant power supply manual available as a download

product type designation	
product brand name	SIPLUS
product type designation	XC106-2
Technical Product Detail Page	https://www.siemes.plc.com/?s=6AG1106-2BB00-7AC2
transfer rate	
transfer rate	10, 100 Mbit/s
interfaces / for communication / integrated	
number of electrical connections	
● for network components or terminal equipment	6; RJ45
number of 100 Mbit/s ST(BFOC) ports	
● for multimode	2
transmission method / of the optical interface	100BaseFX
interfaces / other	
number of electrical connections	
● for signaling contact	1
● for power supply	1
type of electrical connection	
● for signaling contact	2-pole terminal block
● for power supply	4-pole terminal block
operating voltage / of the signaling contacts	
● at DC / rated value	24 V
operational current / of the signaling contacts	
● at DC / maximum	0.1 A
supply voltage, current consumption, power loss	
product component / connection for redundant voltage supply	Yes
type of voltage / 1 / of the supply voltage	DC
● supply voltage / 1 / rated value	24 V
● power loss [W] / 1 / rated value	4.8 W
● consumed current / 1 / at rated supply voltage / maximum	0.4 A
● supply voltage / 1 / voltage range	9.6 ... 31.2
● consumed current / 1 / maximum	0.4 A
ambient conditions	
ambient temperature / in horizontal mounting position / during operation	-40 ... +70 °C
installation altitude / at height above sea level / maximum	5000 m
relative humidity	
● with condensation / according to IEC 60068-2-38 / maximum	100 %; RH including condensation/frost (no commissioning when condensation is present), horizontal installation

© Copyright Siemes

chemical resistance / to commercially available cooling lubricants	Yes; incl. airborne diesel and oil droplets
ambient condition / relating to ambient temperature - air pressure - installation altitude	Tmin ... Tmax at 1 140 hPa ... 795 hPa (-1 000 m ... +2 000 m) // Tmin ... (Tmax - 10 K) at 795 hPa ... 658 hPa (+2 000 m ... +3 500 m) // Tmin ... (Tmax - 20 K) at 658 hPa ... 540 hPa (+3 500 m ... +5 000 m)
resistance to biologically active substances	
● conformity according to EN 60721-3-3	Yes; Class 3B2 mold and fungal spores (excluding fauna); class 3B3 on request
● conformity according to EN 60721-3-6	Yes; Class 6B2 mold, fungal and dry rot spores (excluding fauna)
resistance to chemically active substances	
● conformity according to EN 60721-3-3	Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *
● conformity according to EN 60721-3-6	Yes; Class 6C3 (RH < 75%) incl. salt spray acc. to EN 60068-2-52 (Severity degree 3); *
resistance to mechanically active substances	
● conformity according to EN 60721-3-3	Yes; Class 3S4 incl. sand, dust; *
● conformity according to EN 60721-3-6	Yes; Class 6S3 incl. sand, dust; *
environmental category / according to IEC 60721 / note	* The supplied plug covers must remain in place on the unused interfaces during operation!
coating / for equipped printed circuit board / according to EN 61086	Yes; Class 2 for high availability
type of coating / protection against pollution according to EN 60664-3	Yes; protection of the type 1
type of test / of the coating / according to MIL-I-46058C	Yes; coating discoloration during service life possible
product conformity / of the coating / Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A	Yes; conformal coating, class A
protection class IP	IP20
design, dimensions and weights	
design	compact
width	60 mm
height	147 mm
depth	125 mm
net weight	0.85 kg
material / of the enclosure	Polycarbonate (PC-GF10)
fastening method	
● 35 mm DIN-rail mounting	Yes
● wall mounting	Yes
● S7-300 rail mounting	Yes
● S7-1500 rail mounting	Yes
product features, product functions, product components / general	
number of automatically learnable MAC addresses	2048
product functions / management, configuration, engineering	
product function	
● multiport mirroring	No
● CoS	Yes
● switch-managed	No
product functions / redundancy	
product function	
● Parallel Redundancy Protocol (PRP)/operation in the PRP-network	Yes
● Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)	No
standards, specifications, approvals	
certificate of suitability	
● CE marking	Yes
● EC Declaration of Conformity EN 61010, IEC 61010-1, UL 61010A-1	Yes
● KC approval	Yes
standard	
● for EMC interference emission	EN 61000-6-4 (Class A)
● for safety / from CSA and UL	UL 60950-1, CSA C22.2 No. 60950-1
standards, specifications, approvals / other	

© Copyright Siemes

certificate of suitability	
● E1 approval	No
product functions / general	
laser protection class	LED Class 1
further information / internet links	
internet link	
● to website: Selection guide for cables and connectors	https://www.siemens.plc.com/?s=6AG1106-2BB00-7AC2
● to web page: selection aid TIA Selection Tool	https://www.siemens.plc.com/?s=6AG1106-2BB00-7AC2
● to website: Industrial communication	https://www.siemens.plc.com/?s=6AG1106-2BB00-7AC2
● to web page: SiePortal	https://www.siemens.plc.com/?s=6AG1106-2BB00-7AC2
● to website: Image database	https://www.siemens.plc.com/?s=6AG1106-2BB00-7AC2
● to website: CAx-Download-Manager	https://www.siemens.plc.com/?s=6AG1106-2BB00-7AC2
● to website: Industry Online Support	https://www.siemens.plc.com/?s=6AG1106-2BB00-7AC2
security information	
security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement - and continuously maintain - a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.plc.com/?s=6AG1106-2BB00-7AC2. (V4.7)

Approvals / Certificates

General Product Approval

Manufacturer Declaration

China RoHS

General Product Approval

China RoHS

EMV

For use in hazardous locations

CCC-Ex

For use in hazardous locations

last modified:	3/10/2026

© Copyright Siemes