



Figure similar

SIPLUS NET SCALANCE XC106-2 -40 ... +70°C with conformal coating based on 6GK5106-2BB00-2AC2 . SCALANCE XC106-2, unmanaged IE switch, 6x 10/100 Mbit/s RJ45 ports, 2x 100 Mbit/s Multimode BFOC, LED diagnostics, error-signaling contact with set button, redundant Power supply Manual available as a download

product type designation		SIPLUS NET SCALANCE XC106-2
transfer rate		
transfer rate		10 Mbit/s, 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
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
signal inputs/outputs		
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 / rated value		9.6 ... 31.2 V
type of voltage / 2 / of the supply voltage		DC
• supply voltage / 2 / rated value		24 V
• power loss [W] / 2 / rated value		4.8 W
• consumed current / 2 / at rated supply voltage / maximum		0.2 A
• supply voltage / 2 / rated value		9.6 ... 31.2 V
ambient conditions		
ambient temperature / in horizontal mounting position /		70 ... -40 °C

during operation	
ambient temperature / during storage and transport	85 ... -40 °C
installation altitude / at height above sea level / maximum	5000 m
relative humidity • with condensation / acc. to IEC 60068-2-38 / maximum	100 %; RH including condensation/frost (no commissioning when condensation is present), horizontal installation
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 acc. to EN 60721-3-3	Yes; Class 3B2 mold and fungal spores (excluding fauna); class 3B3 on request
• conformity acc. to EN 60721-3-6	Yes; Class 6B2 mold, fungal and dry rot spores (excluding fauna)
resistance to chemically active substances • conformity acc. to EN 60721-3-3	Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *
• conformity acc. 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 acc. to EN 60721-3-3	Yes; Class 3S4 incl. sand, dust; *
• conformity acc. to EN 60721-3-6	Yes; Class 6S3 incl. sand, dust; *
environmental category / acc. to IEC 60721 / note	* The supplied plug covers must remain in place on the unused interfaces during operation!
coating / for equipped printed circuit board / acc. 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 / acc. 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 acc. 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 top hat DIN rail mounting • wall mounting • S7-300 rail mounting • S7-1500 rail mounting	Yes Yes Yes Yes
product features, product functions, product components / general	
number of automatically learnable MAC addresses	2048
product functions / management, configuration, engineering	
product function • multiport mirroring • CoS	No Yes
product function / switch-managed	No
product functions / redundancy	
product function • Parallel Redundancy Protocol (PRP)/operation in the PRP-network • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)	Yes No
standards, specifications, approvals	

standard	
• for safety / from CSA and UL • for emitted interference	UL 60950-1, CSA C22.2 No. 60950-1 EN 61000-6-4 (Class A)
standards, specifications, approvals / CE	
certificate of suitability / CE marking	Yes
standards, specifications, approvals / hazardous environments	
standard / for hazardous zone	EN 60079-0:2012 + A11:2013, EN60079-15:2010, II 3 G Ex nA IIC T4 Gc, KEMA 07ATEX0145 X, IEC 6079-0:2011, IEC 6079-0-15:2010
• from CSA and UL	UL 1604 and UL 2279-15 (Hazardous Location), Class 1 / Division 2 / Group A, B, C, D / T.., Class 1 / Zone 2 / Group IIC / T..
standards, specifications, approvals / other	
laser protection class	LED Class 1
certificate of suitability	EN 61000-6-2, EN 61000-6-4
• C-Tick • KC approval • E1 approval • EC Declaration of Conformity EN 61010, IEC 61010-1, UL 61010A-1	Yes Yes No Yes
standards, specifications, approvals / marine classification	
Marine classification association	
• American Bureau of Shipping Europe Ltd. (ABS) • DNV GL • Polski Rejestr Statkow (PRS)	Yes Yes Yes
further information / internet-Links	
Internet-Link	
• to web page: selection aid TIA Selection Tool • to website: Industrial communication • to website: Industry Mall • to website: Information and Download Center • to website: Image database • to website: CAX-Download-Manager • to website: Industry Online Support	http://www.siemens.com/snst http://www.siemens.com/simatic-net https://mall.industry.siemens.com http://www.siemens.com/industry/infocenter http://automation.siemens.com/bilddb http://www.siemens.com/cax 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)

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