SIEMENS

Data sheet   **6GK5116-0BA00-2AB2**

SCALANCE XB116 unmanaged IE switch, 16x 10/100 Mbit/s RJ45 ports; for setting up small star and line topologies; LED diagnostics, IP20, Redundant power supply, 24 V AC/DC Manual available as a download

product type designation	SCALANCE XB116
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s
interfaces / for communication / integrated	
number of electrical connections	
● for network components or terminal equipment	16; RJ45
interfaces / other	
number of electrical connections	
● for power supply	1
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
● supply voltage / 1 / rated value	19.2 ... 28.8 V
● consumed current / 1 / maximum	0.2 A
● product component / 1 / fusing at power supply input	Yes
type of voltage / 2 / of the supply voltage	
● supply voltage / 2 / rated value	19.2 ... 28.8 V
ambient conditions	
ambient temperature	
● during operation	0 ... 60 °C
● during storage	-40 ... +80 °C
● during transport	-40 ... +80 °C
relative humidity	
● at 25 °C / without condensation / during operation / maximum	95 %
protection class IP	IP20
design, dimensions and weights	
design	compact
width	80 mm
height	117 mm
depth	109 mm
net weight	0.375 kg
fastening method	
● 35 mm top hat DIN rail mounting	Yes
● wall mounting	No
● S7-300 rail mounting	No

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● S7-1500 rail mounting	No

product functions / management, configuration, engineering

product function	
● multiport mirroring	No
● CoS	Yes
PROFINET conformity class	A
product function / 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

standard	
● for FM	FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4
● for safety / from CSA and UL	UL 60950-1, CSA C22.2 No. 60950-1
● for emitted interference	EN 61000-6-4 (Class B)
● for interference immunity	61000-6-2
MTBF	80 y
reference code	
● acc. to IEC 81346-2	KF
● according to IEC 81346-2:2019	KFE

standards, specifications, approvals / CE

certificate of suitability / CE marking	Yes

standards, specifications, approvals / hazardous environments

standard / for hazardous zone	EN 60079-0:2009, EN60079-15:2010, II 3 G Ex nA IIC T4 Gc, KEMA 07ATEX0145 X
certificate of suitability	
● IECEx	Yes; IEC 60079-0, IEC 60079-15, IECEx DEK 14.0025X, Ex nA IIC T4 Gc
● CCC / for hazardous zone according to GB standard	Yes

standards, specifications, approvals / other

certificate of suitability	EN 61000-6-2, EN 61000-6-4
● KC approval	Yes
● Regulatory Compliance Mark (RCM)	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	https://mall.industry.siemens.com
● 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)
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