SIEMENS

Data sheet   **6GK5124-0BA00-2AB2**

SCALANCE XB124 unmanaged IE switch, 24x 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 XB124**
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s
interfaces / for communication / maximum configuration for modular devices	
number of electrical ports / maximum	24
interfaces / for communication / integrated	
number of electrical connections	
● for network components or terminal equipment	24; 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	7.2 W
● supply voltage / 1 / rated value	19.2 ... 28.8 V
● consumed current / 1 / maximum	0.3 A
● product component / 1 / fusing at power supply input	Yes
● fuse protection type / 1 / at input for supply voltage	0.6 A / 60 V
type of voltage / 2 / of the supply voltage	AC
● 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	120 mm
height	117 mm
depth	109 mm
net weight	0.535 kg
fastening method	
● 35 mm top hat DIN rail mounting	Yes
● wall mounting	No

● S7-300 rail mounting	No
● 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	57 a
reference code	
● according 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; GB3836.1, GB3836.8
● CCC / for hazardous zone according to GB standard / as marking	Ex nA IIC T4 Gc
standards, specifications, approvals / other	
certificate of suitability	EN 61000-6-2, EN 61000-6-4
● KC approval	Yes
● Regulatory Compliance Mark (RCM)	Yes
standards, specifications, approvals / Environmental Product Declaration	
Environmental Product Declaration	Yes
Global Warming Potential [CO2 eq]	
● total	252.5 kg
● during manufacturing	26.6 kg
● during operation	225.28 kg
● after end of life	0.6 kg
product functions / general	
Warranty period	5 a
further information / internet links	
internet link	
● to website: Image database	https://www.automation.siemens.com/bilddb
● 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, 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 security 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 security measures that may be implemented, please visit

Approvals / Certificates

General Product Approval				EMV	For use in hazardous locations
CE EG-Konf.	Declaration of Conformity	UL	RCM	KC	IECEx IECEx

For use in hazardous locations			Environment		Industrial Communication
ATEX	FM	CCC-Ex	Confirmation	EPD	PROFINET

last modified:	2/9/2024

2/22/2024