SIEMENS

Data sheet 6GK5124-0BA00-2AC2

SCALANCE XC124, Unmanaged IE switch, 24x 10/100 Mbit/s RJ45 ports, LED diagnostics, error-signaling contact with set button, redundant Power supply Manual available as a download

Product type designation	**SCALANCE XC124**
Transmission rate	
Transfer rate	10 Mbit/s, 100 Mbit/s
Interfaces / for communication / integrated	
Number of electrical connections	
• for network components or terminal equipment	24; RJ45
Interfaces / others	
Number of electrical connections	
• for signaling contact	1
• for power supply	1
• for redundant voltage 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

Subject to change without notice
© Copyright Siemens

Operating current / of the signaling contacts	
• at DC / maximum	0.1 A

Supply voltage, current consumption, power loss

Type of voltage / of the supply voltage	DC
Supply voltage	
• external	24 V
• external / minimum	9.6 V
• external / maximum	31.2 V
Supply voltage / 1 / Rated value	12 V
• Supply voltage / 1 / rated value	9.6 ... 31.2 V
• Type of voltage / 1 / of the supply voltage	DC
• Consumed current / 1 / at rated supply voltage / maximum	0.65 A
Supply voltage / 2 / Rated value	24 V
• Supply voltage / 2 / rated value	9.6 ... 31.2 V
• Type of voltage / 2 / of the supply voltage	DC
• Consumed current / 2 / at rated supply voltage / maximum	0.325 A
• Power loss [W] / 2 / Rated value	7.8 W
Product component / fusing at power supply input	Yes
Fuse protection type / at input for supply voltage	2.5 A / 125 V
Power loss [W]	
• at DC / at 24 V	7.8 W

Permitted ambient conditions

Ambient temperature	
• during operation	-40 ... +70 °C
• during storage	-40 ... +85 °C
• during transport	-40 ... +85 °C
Relative humidity	
• at 25 °C / without condensation / during operation / maximum	95 %
Protection class IP	IP20

Design, dimensions and weight

Design	compact
Width	120 mm
Height	147 mm
Depth	125 mm
Net weight	0.85 kg
Material / of the enclosure	Polycarbonate (PC-GF10)
Mounting type	
• 35 mm DIN rail mounting	Yes
• wall mounting	Yes

Subject to change without notice
© Copyright Siemens

• S7-300 rail mounting	Yes
• S7-1500 rail mounting	Yes

Product properties, functions, components / general	
Number of automatically learnable MAC addresses	2048

Product functions / management, configuration	
Product function	
• multiport mirroring	No
• CoS	Yes
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 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
• for safety / from CSA and UL	UL 60950-1, CSA C22.2 No. 60950-1
• for hazardous zone / 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..
• for emitted interference	EN 61000-6-4 (Class B)

Standards, specifications, approvals / CE	
Certificate of suitability / CE marking	Yes

Standards, specifications, approvals / miscellaneous	
Laser protection class	LED Class 1
Certificate of suitability	EN 61000-6-2, EN 61000-6-4
• C-Tick	Yes
• E1 approval	No
• EC declaration of conformity EN 61010, IEC 61010-1, UL 61010A-1	Yes
• KC approval	Yes

Standards, specifications, approvals / ship classification	
Marine classification association	
• American Bureau of Shipping Europe Ltd. (ABS)	Yes
• Bureau Veritas (BV)	Yes
• DNV GL	Yes

Subject to change without notice
© Copyright Siemens

• Lloyds Register of Shipping (LRS)	Yes
• Polski Rejestr Statkow (PRS)	Yes
• Royal Institution of Naval Architects (RINA)	Yes

Further Information / Internet Links

Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL	http://www.siemens.com/snst
• 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)
last modified:	08/11/2019

© Copyright Siemens