



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

product type designation	SCALANCE XC124
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 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	7.8 W
• consumed current / 1 / at rated supply voltage / maximum	0.65 A
• supply voltage / 1 / rated value	9.6 ... 31.2 V
• type of electrical connection / 1 / for power supply	4-pole terminal block
• product component / 1 / fusing at power supply input	Yes
• fuse protection type / 1 / at input for supply voltage	2.5 A / 125 V
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 weights	

design	compact
width	120 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	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
product function / switch-managed	No
product function	
• is supported / identification link	Yes
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 safety / from CSA and UL	UL 60950-1, CSA C22.2 No. 60950-1
• for emitted interference	EN 61000-6-4 (Class B)
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 60079-0:2012 + 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..
certificate of suitability	
• CCC / for hazardous zone according to GB standard	Yes
• CCC / for hazardous zone according to GB standard / as marking	Ex nA IIC T4 Gc
standards, specifications, approvals / other	
laser protection class	LED Class 1
certificate of suitability	EN 61000-6-2, EN 61000-6-4
• C-Tick	Yes
• KC approval	Yes
• E1 approval	No
• EC Declaration of Conformity EN 61010, IEC 61010-1, UL 61010A-1	Yes
standards, specifications, approvals / marine classification	
Marine classification association	
• American Bureau of Shipping Europe Ltd. (ABS)	Yes
• French marine classification society (BV)	Yes
• DNV GL	Yes
• Lloyds Register of Shipping (LRS)	Yes
• Polski Rejestr Statkow (PRS)	Yes
• Royal Institution of Naval Architects (RINA)	Yes
standards, specifications, approvals / Environmental Product Declaration	
Environmental Product Declaration	Yes

- Global Warming Potential [CO2 eq] / total 441.1 kg
- Global Warming Potential [CO2 eq] / during manufacturing 47.67 kg
- Global Warming Potential [CO2 eq] / during operation 392.82 kg
- global warming potential [CO2 eq] / after end of life 0.57 kg

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

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Approvals / Certificates

General Product Approval	EMC	For use in hazardous locations
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[Manufacturer Declaration](#)



[ATEX-Zone 2-Declaration](#)



[FM](#)

For use in hazardous locations	Declaration of Conformity	Marine / Shipping
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[CCC-Ex](#)



[Manufacturer Declaration](#)



Marine / Shipping



[NK / Nippon Kaiji Kyokai](#)



Marine / Shipping	other	Environment
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[Manufacturer Declaration](#)



last modified:

10/27/2023 