

SCALANCE XC116, Unmanaged IE switch, 16x 10/100 Mbit/s RJ45 ports, LED diagnostics, error-signaling contact with set button, redundant Power supply Manual available as a download



Transmission rate	
Transfer rate	10 Mbit/s, 100 Mbit/s
Interfaces / for communication / integrated	
Number of electrical connections	16; RJ45
• for network components or terminal equipment	
Interfaces / others	
Number of electrical connections	1
• for signaling contact	
• for power supply	
• for redundant voltage supply	
Type of electrical connection	2-pole terminal block
• for signaling contact	
• for power supply	
Signal-Inputs/outputs	
Operating voltage / of the signaling contacts	24 V
• at DC / Rated value	
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	0.45 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	0.225 A
• Power loss [W] / 2 / Rated value	5.4 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	5.4 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

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

Product properties, functions, components / general

Number of automatically learnable MAC addresses	2048
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Product functions / management, configuration

Product function	
• multiport mirroring	No
• CoS	Yes
• 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
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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
• Det Norske Veritas (DNV)	No
• Germanische Lloyd (GL)	No

- DNV GL
- Polski Rejestr Statkow (PRS)

Yes

Yes

Standards, specifications, approvals / product conformity

MTBF / at 40 °C

73.69 y

Accessories

Further Information / Internet Links

Internet-Link

- to website: Selector SIMATIC NET 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

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