SIEMENS

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

Product type designation	SCALANCE XC116
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 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

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

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)
Mounting type	
• 35 mm 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 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 / other

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 / marine classification

Marine classification association	
● American Bureau of Shipping Europe Ltd. (ABS)	Yes
● Bureau Veritas (BV)	Yes
● Det Norske Veritas (DNV)	No

• Germanische Lloyd (GL)	No
• DNV GL	Yes
• 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

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