

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	
<ul style="list-style-type: none"> for network components or terminal equipment 	16; RJ45
Interfaces / other	
Number of electrical connections	
<ul style="list-style-type: none"> for signaling contact 	1
<ul style="list-style-type: none"> for power supply 	1
<ul style="list-style-type: none"> for redundant voltage supply 	1
Type of electrical connection	
<ul style="list-style-type: none"> for signaling contact 	2-pole terminal block
<ul style="list-style-type: none"> for power supply 	4-pole terminal block
Signal inputs/outputs	
Operating voltage / of the signaling contacts	
<ul style="list-style-type: none"> at DC / Rated value 	24 V

Operating current / of the signaling contacts	
<ul style="list-style-type: none"> • at DC / maximum 	0.1 A
Supply voltage, current consumption, power loss	
Type of voltage / of the supply voltage	DC
Supply voltage	
<ul style="list-style-type: none"> • external 	24 V
<ul style="list-style-type: none"> • external / minimum 	9.6 V
<ul style="list-style-type: none"> • external / maximum 	31.2 V
Supply voltage / 1 / Rated value	12 V
<ul style="list-style-type: none"> • Supply voltage / 1 / rated value 	9.6 ... 31.2 V
<ul style="list-style-type: none"> • Type of voltage / 1 / of the supply voltage 	DC
<ul style="list-style-type: none"> • Consumed current / 1 / at rated supply voltage / maximum 	0.45 A
Supply voltage / 2 / Rated value	24 V
<ul style="list-style-type: none"> • Supply voltage / 2 / rated value 	9.6 ... 31.2 V
<ul style="list-style-type: none"> • Type of voltage / 2 / of the supply voltage 	DC
<ul style="list-style-type: none"> • Consumed current / 2 / at rated supply voltage / maximum 	0.225 A
<ul style="list-style-type: none"> • 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]	
<ul style="list-style-type: none"> • at DC / at 24 V 	5.4 W

Ambient conditions	
Ambient temperature	
<ul style="list-style-type: none"> • during operation 	-40 ... +70 °C
<ul style="list-style-type: none"> • during storage 	-40 ... +85 °C
<ul style="list-style-type: none"> • during transport 	-40 ... +85 °C
Relative humidity	
<ul style="list-style-type: none"> • at 25 °C / without condensation / during operation / maximum 	95 %
Protection class IP	IP20
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	
<ul style="list-style-type: none"> • 35 mm DIN rail mounting 	Yes
<ul style="list-style-type: none"> • wall mounting 	Yes
<ul style="list-style-type: none"> • 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
- CoS

No

Yes

Product function / switch-managed

No

Product functions / redundancy

Product function

- Parallel Redundancy Protocol (PRP)/operation in the PRP-network
- Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)

Yes

No

Standards, specifications, approvals

Standard

- for hazardous zone
- for safety / from CSA and UL
- for hazardous zone / from CSA and UL
- for emitted interference

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

UL 60950-1, CSA C22.2 No. 60950-1

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..

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
- E1 approval
- EC declaration of conformity EN 61010, IEC 61010-1, UL 61010A-1
- KC approval

Yes

No

Yes

Yes

Standards, specifications, approvals / marine classification

Marine classification association

- American Bureau of Shipping Europe Ltd. (ABS)
- Bureau Veritas (BV)
- Det Norske Veritas (DNV)
- Germanische Lloyd (GL)

Yes

Yes

No

No

- DNV GL
- Lloyds Register of Shipping (LRS)
- Polski Rejestr Statkow (PRS)
- Royal Institution of Naval Architects (RINA)

Yes
Yes
Yes
Yes

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>

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Security information

Security information

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