

SCALANCE XC106-2, Unmanaged IE switch, 6x 10/100 Mbit/s RJ45 ports, 2x 100 Mbit/s Multimode BFOC, LED diagnostics, error-signaling contact with set button, redundant Power supply Manual available as a download



<b>Product type designation</b>	<b>SCALANCE XC106-2</b>
<b>Transfer rate</b>	
Transfer rate	10 Mbit/s, 100 Mbit/s
<b>Interfaces / for communication / Integrated</b>	
Number of electrical connections	
• for network components or terminal equipment	6; RJ45
Number of 100 Mbit/s ST(BFOC) ports	
• for multimode	2
<b>Interfaces / other</b>	
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
<b>Signal inputs/outputs</b>	

Operating voltage / of the signaling contacts	
<ul style="list-style-type: none"> <li>• at DC / Rated value</li> </ul>	24 V
Operating current / of the signaling contacts	
<ul style="list-style-type: none"> <li>• at DC / maximum</li> </ul>	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"> <li>• external</li> </ul>	24 V
<ul style="list-style-type: none"> <li>• external / minimum</li> </ul>	9.6 V
<ul style="list-style-type: none"> <li>• external / maximum</li> </ul>	31.2 V
<b>Supply voltage / 1 / Rated value</b>	12 V
<ul style="list-style-type: none"> <li>• Supply voltage / 1 / rated value</li> </ul>	9.6 ... 31.2 V
<ul style="list-style-type: none"> <li>• Type of voltage / 1 / of the supply voltage</li> </ul>	DC
<ul style="list-style-type: none"> <li>• Consumed current / 1 / at rated supply voltage / maximum</li> </ul>	0.4 A
<b>Supply voltage / 2 / Rated value</b>	24 V
<ul style="list-style-type: none"> <li>• Supply voltage / 2 / rated value</li> </ul>	9.6 ... 31.2 V
<ul style="list-style-type: none"> <li>• Type of voltage / 2 / of the supply voltage</li> </ul>	DC
<ul style="list-style-type: none"> <li>• Consumed current / 2 / at rated supply voltage / maximum</li> </ul>	0.2 A
<ul style="list-style-type: none"> <li>• Power loss [W] / 2 / Rated value</li> </ul>	4.8 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]	
<ul style="list-style-type: none"> <li>• at DC / at 24 V</li> </ul>	4.8 W

### Ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> <li>• during operation</li> </ul>	-40 ... +70 °C
<ul style="list-style-type: none"> <li>• during storage</li> </ul>	-40 ... +85 °C
<ul style="list-style-type: none"> <li>• during transport</li> </ul>	-40 ... +85 °C
Relative humidity	
<ul style="list-style-type: none"> <li>• at 25 °C / without condensation / during operation / maximum</li> </ul>	95 %
Protection class IP	IP20
Design	compact
Width	60 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"> <li>• 35 mm DIN rail mounting</li> </ul>	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
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#### 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 A)

#### Standards, specifications, approvals / CE

Certificate of suitability / CE marking	Yes
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#### 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

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

Yes  
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>  
  
<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

### Security information

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