

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



<b>Product type designation</b>	<b>SCALANCE XC124</b>
<b>Transfer rate</b>	
Transfer rate	10 Mbit/s, 100 Mbit/s
<b>Interfaces / for communication / Integrated</b>	
Number of electrical connections	
<ul style="list-style-type: none"> <li>for network components or terminal equipment</li> </ul>	24; RJ45
<b>Interfaces / other</b>	
Number of electrical connections	
<ul style="list-style-type: none"> <li>for signaling contact</li> </ul>	1
<ul style="list-style-type: none"> <li>for power supply</li> </ul>	1
<ul style="list-style-type: none"> <li>for redundant voltage supply</li> </ul>	1
Type of electrical connection	
<ul style="list-style-type: none"> <li>for signaling contact</li> </ul>	2-pole terminal block
<ul style="list-style-type: none"> <li>for power supply</li> </ul>	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
<b>Supply voltage, current consumption, power loss</b>	
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>	0.65 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>	0.325 A
<ul style="list-style-type: none"> <li>• Power loss [W] / 2 / Rated value</li> </ul>	7.8 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>	7.8 W

<b>Ambient conditions</b>	
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

<b>Design, dimensions and weights</b>	
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"> <li>• 35 mm DIN rail mounting</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• wall mounting</li> </ul>	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
- DNV GL Yes

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

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

Siemens provides products and solutions with industrial security functions that support the secure operation of plants, solutions, machines, equipment and/or networks. They are important components in a holistic industrial security concept. With this in mind, Siemens' products and solutions undergo continuous development. Siemens recommends strongly that you regularly check for product updates. For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action (e.g. cell protection concept) and integrate each component into a holistic, state-of-the-art industrial security concept. Third-party products that may be in use should also be considered. For more information about industrial security, visit <http://www.siemens.com/industrialsecurity>. To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit <http://support.automation.siemens.com>. (V3.4)

**last modified:**

05/13/2020