

SIPLUS NET SCALANCE X204-2LD -40...+60°C with conformal coating based on 6GK5204-2BC10-2AA3



Product type designation	SIPLUS NET SCALANCE X204-2LD
Transfer rate	
Transfer rate	10 Mbit/s, 100 Mbit/s
Interfaces / for communication / Integrated	
Number of electrical connections	4
• for network components or terminal equipment	
Interfaces / other	
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	4-pole terminal block
design of the removable storage	Yes
• C-PLUG	
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	18 V
• external / maximum	32 V
Product component / fusing at power supply input	Yes
Fuse protection type / at input for supply voltage	0.6 A / 60 V
Consumed current / maximum	0.215 A
Power loss [W]	
• at DC / at 24 V	6.36 W

Ambient conditions

Ambient temperature / in horizontal mounting position / during operation	60 ... -40 °C
Ambient temperature / during storage and transport	70 ... -40 °C
Installation altitude / at height above sea level / maximum	5000 m
Relative humidity	
• with condensation / acc. to IEC 60068-2-38 / maximum	100 %
Chemical resistance / to commercially available cooling lubricants	Yes
Resistance to biologically active substances	
• conformity acc. to EN 60721-3-3	Yes
• conformity acc. to EN 60721-3-6	Yes
Resistance to chemically active substances	
• conformity acc. to EN 60721-3-3	Yes
• conformity acc. to EN 60721-3-6	Yes
Resistance to mechanically active substances	
• conformity acc. to EN 60721-3-3	Yes
• conformity acc. to EN 60721-3-6	Yes
Coating / for equipped printed circuit board / acc. to EN 61086	Yes
Type of coating	
• protection against pollution according to EN 60664-3	Yes
Type of test / of the coating / acc. to MIL-I-46058C	Yes

Product conformity / of the coating / Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies acc. to IPC-CC-830A	Yes
Protection class IP	IP30

Design, dimensions and weights	
Design	compact
Width	60 mm
Height	125 mm
Depth	124 mm
Net weight	0.78 kg
Mounting type	
• 35 mm DIN rail mounting	Yes
• wall mounting	Yes
• S7-300 rail mounting	Yes

Product features, product functions, product components / general	
Cascading in the case of a redundant ring / at reconfiguration time of $< \sim 0.3 \text{ s}$	50
Cascading in cases of star topology	any (depending only on signal propagation time)

Product functions / management, configuration, engineering	
Product function	
• CLI	Yes
• web-based management	Yes
• MIB support	Yes
• TRAPs via email	Yes
• Configuration with STEP 7	Yes
• SMTP server	Yes
• Port mirroring	Yes
• with IRT / PROFINET IO switch	No
• PROFINET IO diagnosis	Yes
Product function / switch-managed	Yes
Protocol / is supported	
• Telnet	Yes
• HTTP	Yes
• HTTPS	Yes
• TFTP	Yes
• FTP	Yes
• BOOTP	No
• GMRP	No
• DCP	Yes
• LLDP	Yes
• SNMP v1	Yes

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|---------------------------|-----|
| • SNMP v2 | Yes |
| • SNMP v3 | Yes |
| • IGMP (snooping/querier) | No |

Product functions / Diagnostics

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|--------------------------|-----|
| Product function | |
| • Port diagnostics | Yes |
| • Statistics Packet Size | Yes |
| • Statistics packet type | Yes |
| • Error statistics | Yes |

Product functions / DHCP

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|------------------|-----|
| Product function | |
| • DHCP client | Yes |

Product functions / redundancy

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|--|-----|
| Product function | |
| • Ring redundancy | Yes |
| • High Speed Redundancy Protocol (HRP) | Yes |
| • high speed redundancy protocol (HRP) with redundancy manager | Yes |
| • high speed redundancy protocol (HRP) with standby redundancy | No |

Protocol / is supported / Media Redundancy Protocol (MRP)	Yes
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|---|-----|
| Product function | |
| • media redundancy protocol (MRP) with redundancy manager | Yes |
| • Passive listening | Yes |

Product functions / Security

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|-------------------------|-----|
| Protocol / is supported | |
| • SSH | Yes |

Product functions / time

- | | |
|-------------------------|-----|
| Product function | |
| • SICLOCK support | Yes |
| Protocol / is supported | |
| • NTP | No |
| • SNTP | Yes |

Standards, specifications, approvals

- | | |
|----------------------------|---|
| Standard | |
| • for hazardous zone | EN 60079-0 : 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X |
| • for emitted interference | EN 61000-6-4 (Class A) |

- for interference immunity

EN 61000-6-2

Standards, specifications, approvals / CE

Certificate of suitability / CE marking

Yes

Standards, specifications, approvals / other

Certificate of suitability

EN 61000-6-2, EN 61000-6-4

- Railway application in accordance with EN 50155
- Railway application in accordance with EN 50124-1
- KC approval

No

No

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)
- Lloyds Register of Shipping (LRS)
- Nippon Kaiji Kyokai (NK)
- Polski Rejestr Statkow (PRS)

No

No

No

No

No

No

No

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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