

product type designation



Figure similar

### SIPLUS NET SCALANCE XCM102

SIPLUS NET SCALANCE XCM102 based on 6GK5102-1GS00-2AC2 with conformal coating, -40...+70 °C, IE media converter unmanaged 1x 100/1000 Mbps RJ45 port, LED diagnostics, error signaling contact with set pushbutton redundant power supply, securing collar, manual as download available.

Technical Product Detail Page

<https://l.siemens.com/1P6AG1102-1GS00-7AC2>

transfer rate	
transfer rate	100 Mbit/s, 1000
interfaces	
number of electrical/optical connections / for network components or terminal equipment / maximum	2
number of electrical connections	
<ul style="list-style-type: none"> <li>for network components or terminal equipment</li> </ul>	1
<ul style="list-style-type: none"> <li>for SFP / plug-in</li> </ul>	1; 100 Mbps and 1000 Mbps SFP plug-in transceiver usable
<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 network components or terminal equipment</li> </ul>	RJ45 port
signal inputs/outputs	
operating voltage / of the signaling contacts	
<ul style="list-style-type: none"> <li>at DC / rated value</li> </ul>	24 V
operational 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	
<b>supply voltage / 1 / rated value</b>	24 V
<ul style="list-style-type: none"> <li>consumed current / 1 / at rated supply voltage / maximum</li> </ul>	0.15 A
<ul style="list-style-type: none"> <li>power loss [W] / 1 / rated value</li> </ul>	2.5 W
<b>supply voltage / 2 / rated value</b>	24 V
<ul style="list-style-type: none"> <li>consumed current / 2 / at rated supply voltage / maximum</li> </ul>	0.3 A
<ul style="list-style-type: none"> <li>power loss [W] / 2 / rated value</li> </ul>	5 W
product component / fusing at power supply input	Yes
consumed current	
<ul style="list-style-type: none"> <li>maximum</li> </ul>	dependent on the use of SFP plug-in transceiver
power loss [W]	
<ul style="list-style-type: none"> <li>maximum</li> </ul>	dependent on the use of SFP plug-in transceiver
ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> <li>note</li> </ul>	max. operating temperature dependent on the use of SFP plug-in transceiver
ambient temperature	
<ul style="list-style-type: none"> <li>in horizontal mounting position / during operation / maximum</li> </ul>	70 °C

<ul style="list-style-type: none"> <li>• in horizontal mounting position / during operation / minimum</li> </ul>	-40 °C
<ul style="list-style-type: none"> <li>• during storage and transport</li> </ul>	85 ... -40 °C
installation altitude / at height above sea level / maximum	5000 m
relative humidity / with condensation / according to IEC 60068-2-38 / maximum	100 %
chemical resistance / to commercially available cooling lubricants	Yes
resistance to biologically active substances	
<ul style="list-style-type: none"> <li>• conformity according to EN 60721-3-3</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• conformity according to EN 60721-3-6</li> </ul>	Yes
resistance to chemically active substances	
<ul style="list-style-type: none"> <li>• conformity according to EN 60721-3-3</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• conformity according to EN 60721-3-6</li> </ul>	Yes
resistance to mechanically active substances	
<ul style="list-style-type: none"> <li>• conformity according to EN 60721-3-3</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• conformity according to EN 60721-3-6</li> </ul>	Yes
coating / for equipped printed circuit board / according to EN 61086	Yes
type of coating / protection against pollution according to EN 60664-3	Yes
type of test / of the coating / according to MIL-I-46058C	Yes
product conformity / of the coating / Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A	Yes
protection class IP	IP20
<b>design, dimensions and weights</b>	
design	compact
width	35 mm
height	147 mm
depth	123 mm
net weight	0.22 kg
fastening method	
<ul style="list-style-type: none"> <li>• 35 mm DIN-rail mounting</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• S7-300 rail mounting</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• S7-1500 rail mounting</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• wall mounting</li> </ul>	Yes
<b>standards, specifications, approvals</b>	
MTBF	152 a
<b>further information / internet links</b>	
internet link	
<ul style="list-style-type: none"> <li>• to website: Selection guide for cables and connectors</li> </ul>	<a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a>
<ul style="list-style-type: none"> <li>• to web page: selection aid TIA Selection Tool</li> </ul>	<a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a>
<ul style="list-style-type: none"> <li>• to website: Industrial communication</li> </ul>	<a href="https://www.siemens.com/simatic-net">https://www.siemens.com/simatic-net</a>
<ul style="list-style-type: none"> <li>• to web page: SiePortal</li> </ul>	<a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a>
<ul style="list-style-type: none"> <li>• to website: Image database</li> </ul>	<a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a>
<ul style="list-style-type: none"> <li>• to website: CAX-Download-Manager</li> </ul>	<a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a>
<ul style="list-style-type: none"> <li>• to website: Industry Online Support</li> </ul>	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
<b>security information</b>	
security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit <a href="http://www.siemens.com/cybersecurity-industry">www.siemens.com/cybersecurity-industry</a> . Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are

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Approvals / Certificates

General Product Approval



[China RoHS](#)

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