



*** spare part *** SIPLUS NET SCALANCE X202-2PIRT based on 6GK5202-2BH00-2BA3 with conformal coating, -25...+60 °C

| product type designation | |
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| product brand name | SIPLUS |
| product type designation | X202-2P IRT |
| transfer rate | |
| transfer rate | 10, 100 Mbit/s |
| interfaces / for communication / integrated | |
| number of electrical connections | |
| • for network components or terminal equipment | 2 |
| interfaces / other | |
| number of electrical connections | |
| • for signaling contact | 1 |
| • for power supply | 1 |
| type of electrical connection | |
| • for signaling contact | 2-pole terminal block |
| • for power supply | 4-pole terminal block |
| design of the removable storage | |
| • C-PLUG | Yes |
| operating voltage / of the signaling contacts | |
| • at DC / rated value | 24 V |
| operational current / of the signaling contacts | |
| • at DC / maximum | 0.1 A |
| supply voltage, current consumption, power loss | |
| product component / connection for redundant voltage supply | Yes |
| type of voltage / 1 / of the supply voltage | DC |
| • supply voltage / 1 / rated value | 24 V |
| • power loss [W] / 1 / rated value | 7.2 W |
| ambient conditions | |
| ambient temperature / in horizontal mounting position / during operation | -25 ... +60 °C |
| installation altitude / at height above sea level / maximum | 5000 m |
| relative humidity | |
| • with condensation / according to IEC 60068-2-38 / maximum | 100 %; RH including condensation/frost (no commissioning when condensation is present), horizontal installation |
| chemical resistance / to commercially available cooling lubricants | Yes; incl. airborne diesel and oil droplets |
| ambient condition / relating to ambient temperature - air pressure - installation altitude | Tmin ... Tmax at 1 140 hPa ... 795 hPa (-1 000 m ... +2 000 m) // Tmin ... (Tmax - 10 K) at 795 hPa ... 658 hPa (+2 000 m ... +3 500 m) // Tmin ... (Tmax - 20 K) at 658 hPa ... 540 hPa (+3 500 m ... +5 000 m) |
| resistance to biologically active substances | |
| • conformity according to EN 60721-3-3 | Yes; Class 3B2 mold and fungal spores (excluding fauna); class 3B3 on |

| | |
|--|---|
| <ul style="list-style-type: none"> conformity according to EN 60721-3-6 | request Yes; Class 6B2 mold, fungal and dry rot spores (excluding fauna) |
| resistance to chemically active substances <ul style="list-style-type: none"> conformity according to EN 60721-3-3 conformity according to EN 60721-3-6 | Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); * Yes; Class 6C3 (RH < 75%) incl. salt spray acc. to EN 60068-2-52 (Severity degree 3); * |
| resistance to mechanically active substances <ul style="list-style-type: none"> conformity according to EN 60721-3-3 conformity according to EN 60721-3-6 | Yes; Class 3S4 incl. sand, dust; * Yes; Class 6S3 incl. sand, dust; * |
| environmental category / according to IEC 60721 / note | * The supplied plug covers must remain in place on the unused interfaces during operation! |
| coating / for equipped printed circuit board / according to EN 61086 | Yes; Class 2 for high availability |
| type of coating / protection against pollution according to EN 60664-3 | Yes; protection of the type 1 |
| type of test / of the coating / according to MIL-I-46058C | Yes; coating discoloration during service life possible |
| product conformity / of the coating / Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A | Yes; conformal coating, class A |
| protection class IP | IP30 |
| design, dimensions and weights | |
| design | compact |
| width | 60 mm |
| height | 125 mm |
| depth | 124 mm |
| net weight | 0.78 kg |
| fastening method <ul style="list-style-type: none"> 35 mm DIN-rail mounting wall mounting S7-300 rail mounting | Yes Yes Yes |
| product features, product functions, product components / general | |
| cascading in the case of a redundant ring / at reconfiguration time of ≤ 0.3-s | 50 |
| cascading in cases of star topology | any (depending only on signal propagation time) |
| product functions / management, configuration, engineering | |
| product function <ul style="list-style-type: none"> CLI web-based management MIB support TRAPs via email configuration with STEP 7 SMTP server port mirroring with IRT / PROFINET IO switch PROFINET IO diagnosis switch-managed | Yes Yes Yes Yes Yes Yes No Yes Yes Yes |
| protocol / is supported <ul style="list-style-type: none"> Telnet HTTP HTTPS TFTP FTP BOOTP GMRP DCP LLDP SNMP v1 SNMP v2 SNMP v3 IGMP (snooping/querier) | Yes Yes Yes Yes Yes No No Yes Yes Yes Yes Yes Yes No |

| product functions / diagnostics | |
|--|---|
| product function | |
| <ul style="list-style-type: none"> port diagnostics | Yes |
| <ul style="list-style-type: none"> statistics Packet Size | Yes |
| <ul style="list-style-type: none"> statistics packet type | Yes |
| <ul style="list-style-type: none"> error statistics | Yes |
| product functions / DHCP | |
| product function | |
| <ul style="list-style-type: none"> DHCP client | Yes |
| product functions / redundancy | |
| protocol / is supported / Media Redundancy Protocol (MRP) | Yes |
| product function | |
| <ul style="list-style-type: none"> media redundancy protocol (MRP) with redundancy manager | Yes |
| <ul style="list-style-type: none"> ring redundancy | Yes |
| <ul style="list-style-type: none"> high speed redundancy protocol (HRP) with redundancy manager | Yes |
| <ul style="list-style-type: none"> high speed redundancy protocol (HRP) with standby redundancy | Yes |
| <ul style="list-style-type: none"> passive listening | Yes |
| product functions / security | |
| protocol / is supported | |
| <ul style="list-style-type: none"> SSH | Yes |
| product functions / time | |
| product function | |
| <ul style="list-style-type: none"> SICLOCK support | Yes |
| protocol / is supported | |
| <ul style="list-style-type: none"> NTP | No |
| <ul style="list-style-type: none"> SNTP | Yes |
| standards, specifications, approvals | |
| certificate of suitability | |
| <ul style="list-style-type: none"> CE marking | Yes |
| <ul style="list-style-type: none"> KC approval | Yes |
| standard | |
| <ul style="list-style-type: none"> for EMC interference emission | EN 61000-6-4 (Class A) |
| <ul style="list-style-type: none"> for immunity to EMC | EN 61000-6-2 |
| standards, specifications, approvals / other | |
| certificate of suitability | |
| <ul style="list-style-type: none"> railway application in accordance with EN 50155 | No |
| <ul style="list-style-type: none"> railway application in accordance with EN 50124-1 | No |
| standards, specifications, approvals / marine classification | |
| Marine classification association | |
| <ul style="list-style-type: none"> American Bureau of Shipping Europe Ltd. (ABS) | No |
| <ul style="list-style-type: none"> French marine classification society (BV) | No |
| <ul style="list-style-type: none"> Det Norske Veritas (DNV) | No |
| <ul style="list-style-type: none"> Lloyds Register of Shipping (LRS) | No |
| <ul style="list-style-type: none"> Nippon Kaiji Kyokai (NK) | No |
| <ul style="list-style-type: none"> Polski Rejestr Statkow (PRS) | No |
| further information / internet links | |
| internet link | |
| <ul style="list-style-type: none"> to website: Selection guide for cables and connectors | https://support.industry.siemens.com/cs/ww/en/view/109766358 |
| <ul style="list-style-type: none"> to web page: selection aid TIA Selection Tool | https://www.siemens.com/tstcloud |
| <ul style="list-style-type: none"> to website: Industrial communication | https://www.siemens.com/simatic-net |
| <ul style="list-style-type: none"> to web page: SiePortal | https://sieportal.siemens.com/ |
| <ul style="list-style-type: none"> to website: Image database | https://www.automation.siemens.com/bilddb |
| <ul style="list-style-type: none"> to website: CAX-Download-Manager | https://www.siemens.com/cax |
| <ul style="list-style-type: none"> to website: Industry Online Support | https://support.industry.siemens.com |
| security information | |
| security information | Siemens provides products and solutions with industrial cybersecurity functions |

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Approvals / Certificates

General Product Approval



[Manufacturer Declaration](#)

[China RoHS](#)



General Product Approval

EMV

For use in hazardous locations



[CCC-Ex](#)



For use in hazardous locations



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