

Spare part SIPLUS NET ESM ITP80 for medial exposure based on 6GK1105-3AA10

Product type designation	SIPLUS SIPLUS ESM ITP80
Transmission rate	
Transfer rate	10 Mbit/s, 100 Mbit/s
Interfaces / for communication / integrated	
Number of electrical connections	8
<ul style="list-style-type: none"> for network components or terminal equipment 	
Interfaces / others	
Number of electrical connections	
<ul style="list-style-type: none"> for signaling contact 	1
<ul style="list-style-type: none"> for power supply 	1
<ul style="list-style-type: none"> for redundant voltage supply 	1
Type of electrical connection	
<ul style="list-style-type: none"> for signaling contact 	On 6-pole terminal block
<ul style="list-style-type: none"> for power supply 	6-pole plug-in terminal block
Signal-Inputs/outputs	
Operating voltage / of the signaling contacts	
<ul style="list-style-type: none"> at DC / Rated value 	24 V
Operating current / of the signaling contacts	
<ul style="list-style-type: none"> at DC / maximum 	0.1 A
Number of digital inputs	8
Number of electrical connections / for digital input signals	2
Type of electrical connection / for digital input signals	6-pole plug-in terminal block
Signal voltage	
<ul style="list-style-type: none"> for signal <0> / at DC 	-30 ... +3 V
<ul style="list-style-type: none"> — Rated value 	24 V
<ul style="list-style-type: none"> for signal <1> / at DC 	13 ... 30 V
<ul style="list-style-type: none"> — Rated value 	24 V
Input current / at digital input	
<ul style="list-style-type: none"> with signal <0> / maximum 	0.008 mA
<ul style="list-style-type: none"> for signal <1> 	0.008 A
Supply voltage, current consumption, power loss	
Type of voltage / of the supply voltage	DC
Supply voltage	

<ul style="list-style-type: none"> • external 	24 V
<ul style="list-style-type: none"> • external / minimum 	18 V
<ul style="list-style-type: none"> • external / maximum 	32 V
Product component / fusing at power supply input	Yes
Fuse protection type / at input for supply voltage	T 1.6 A / 250 V
Consumed current / maximum	1 A
Power loss [W]	
<ul style="list-style-type: none"> • at DC / at 24 V 	20 W

Permitted ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> • during operation 	0 ... 60 °C
<ul style="list-style-type: none"> • during storage 	-20 ... +80 °C
<ul style="list-style-type: none"> • during transport 	-20 ... +80 °C
Relative humidity	
<ul style="list-style-type: none"> • at 25 °C / without condensation / during operation / maximum 	100 %
<ul style="list-style-type: none"> • with condensation / maximum 	100 %; r.F., incl. condensation/frost permitted (no commissioning in bedewed state)
Ambient condition / relating to ambient temperature - air pressure - installation altitude	0 ... +60 °C at 1080 hPa ... 795 hPa (-1000 m ... +2000 m) // 0 ... +50 °C at 795 hPa ... 658 hPa (+2000 m ... +3500 m) // 0 ... +40 °C at 658 hPa ... 540 hPa (+3500 m ... +5000 m)
Resistance to biologically active substances / conformity acc. to EN 60721-3-3	Yes; Compliance with EN 60721-3-3, Class 3B2 mold, fungus, and sponge spores (except fauna). The supplied plug covers must remain in place over the unused interfaces during operation!
Resistance to chemically active substances / conformity acc. to EN 60721-3-3	Yes; Compliance with EN 60721-3-3, class 3C4 incl. salt spray according to EN 60068-2-52 (severity 3). The supplied plug covers must remain in place over the unused interfaces during operation!
Resistance to mechanically active substances / conformity acc. to EN 60721-3-3	Yes; Compliance with EN 60721-3-3, Class 3S4 including sand, dust. The supplied plug covers must remain in place over the unused interfaces during operation!
Protection class IP	IP20

Design, dimensions and weight

Width	217 mm
Height	156.5 mm
Depth	69 mm
Net weight	1.4 kg
Mounting type	
<ul style="list-style-type: none"> • 35 mm DIN rail mounting 	Yes
<ul style="list-style-type: none"> • wall mounting 	Yes
<ul style="list-style-type: none"> • S7-300 rail mounting 	Yes
<ul style="list-style-type: none"> • fixed-mounted 	No

Product properties, functions, 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

Product function	
• CLI	Yes
• web-based management	Yes
• MIB support	Yes
• TRAPs via email	Yes
• RMON	Yes
• Port mirroring	Yes
• switch-managed	Yes
Protocol / is supported	
• Telnet	Yes
• HTTP	Yes
• TFTP	Yes
• FTP	Yes
• BOOTP	Yes
• SNMP v1	Yes

Product functions / Diagnosis

Product function	
• Statistics Packet Size	Yes
• Statistics packet type	Yes
• Error statistics	Yes

Product functions / DHCP

Product function	
• DHCP client	Yes

Product functions / Redundancy

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	Yes
Product function	
• media redundancy protocol (MRP) with redundancy manager	Yes

Product functions / Time

Product function	
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- SICLOCK support

Yes

Standards, specifications, approvals

Standard

- for emitted interference
- for interference immunity

EN 50081-2

EN 50082-2

Standards, specifications, approvals / CE

Certificate of suitability / CE marking

Yes

Standards, specifications, approvals / miscellaneous

Certificate of suitability

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

No

No

Yes

Standards, specifications, approvals / ship 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

Accessories

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)

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