SIEMENS

Data sheet

6GK1105-3AA10

Product type designation

ESM ITP80

SIMATIC NET, ESM ITP80 ELECTRICAL SWITCH MODULE WITH 8 ITP-PORTS 10/100MBIT/S AND 8 DIGITAL INPUTS; REDUNDANT 24V DC SUPPLY SIGNAL CONTACT, INTEGRATED REDUNDANCY MANAGER, WITH NETWORK MANAGEMENT AMBIENT TEMPERATURE MAX. +55 DEGR. C.



| Transmission rate | | |
|--|--------------------------|--|
| Transfer rate | 10 Mbit/s, 100 Mbit/s | |
| Interfaces / for communication / integrated | | |
| Number of electrical connections | | |
| for network components or terminal equipment | 8 | |
| Number of 100 Mbit/s SC ports | | |
| • for multimode | 0 | |
| Number of 1000 Mbit/s LC ports | | |
| • for multimode | 0 | |
| • for single mode (LD) | 0 | |
| Interfaces / others | | |
| Number of electrical connections | | |
| for signaling contact | 1 | |
| • for power supply | 1 | |
| for redundant voltage supply | 1 | |
| Type of electrical connection | | |
| • for signaling contact | On 6-pole terminal block | |

6-pole plug-in terminal block

| for power supply | 6-pole plug-in terminal block |
|--|-------------------------------|
| 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 |
| 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 | |
| ● for signal <0> / at DC | -30 +3 V |
| — Rated value | 24 V |
| ● for signal <1> / at DC | 13 30 V |
| — Rated value | 24 V |
| Input current / at digital input | |
| ● with signal <0> / maximum | 0.008 mA |
| ● for signal <1> | 0.008 A |
| Supply voltage, current consumption, power loss | |
| Type of voltage / of the supply voltage | DC |
| Supply voltage | |
| • external | 24 V |
| • external | 18 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] | |
| • at DC / at 24 V | 20 W |
| Permitted ambient conditions | |
| Ambient temperature | |
| during operation | 0 60 °C |
| during storage | -40 +80 °C |
| during transport | -40 +80 °C |
| Relative humidity | |
| at 25 °C / without condensation / during operation / maximum | 95 % |
| Protection class IP | IP20 |
| Design, dimensions and weight | |
| Width | 217 mm |
| Height | 161 mm |
| Depth | 69 mm |

| Net weight | 1.4 kg | |
|--|---|--|
| Mounting type | | |
| 35 mm DIN rail mounting | Yes | |
| wall mounting | Yes | |
| S7-300 rail mounting | Yes | |
| • S7-1500 rail mounting | No | |
| • fixed-mounted | Yes | |
| | | |
| Product properties, functions, components / genera | | |
| Cascading in the case of a redundant ring / at | 50 | |
| reconfiguration time of <\~0.3\~s | | |
| 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 | |
| multiport mirroring | No | |
| • switch-managed | Yes | |
| Protocol / is supported | | |
| • Telnet | Yes | |
| • HTTP | Yes | |
| • TFTP | Yes | |
| • FTP | Yes | |
| • BOOTP | Yes | |
| • SNMP v1 | Yes | |
| | | |
| Product functions / Diagnosis Product function | | |
| | Yes | |
| Statistics Packet Size | Yes | |
| Statistics packet type | | |
| 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 | |
| Parallel Redundancy Protocol (PRP)/operation in the PRP-network | No | |
| Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) | No | |
| Product functions / Time | | |
| Product function | | |
| SICLOCK support | Yes | |
| Standards, specifications, approvals | | |
| Standard | | |
| ● for FM | FM3611: Class 1, Divison 2, Group A, B, C, D / T A, CL.1, Zone 2, GP. IIC, T4 | |
| for safety / from CSA and UL | UL 60950-1, CSA C22.2 No. 60950-1 | |
| for emitted interference | EN 61000-6-4 | |
| for interference immunity | EN 61000-6-2 | |
| Certificate of suitability / CE marking | Yes | |
| Certificate of suitability | | |
| • C-Tick | Yes | |
| KC approval | No | |
| Marine classification association | | |
| American Bureau of Shipping Europe Ltd. (ABS) | Yes | |
| • Bureau Veritas (BV) | Yes | |
| Det Norske Veritas (DNV) | Yes | |
| Germanische Lloyd (GL) | Yes | |
| Lloyds Register of Shipping (LRS) | Yes | |
| Nippon Kaiji Kyokai (NK) | Yes | |
| Polski Rejestr Statkow (PRS) | Yes | |
| Further Information / Internet Links | Further Information / Internet Links | |
| Internet-Link | | |
| to website: Selector SIMATIC NET SELECTION TOOL | http://www.siemens.com/snst | |
| • to website: Industrial communication | http://www.siemens.com/simatic-net | |
| • to website: Industry Mall | https://mall.industry.siemens.com | |
| • to website: Information and Download Center | http://www.siemens.com/industry/infocenter | |
| • to website: Image database | http://automation.siemens.com/bilddb | |

- to website: CAx Download Manager
- to website: Industry Online Support

http://www.siemens.com/cax

https://support.industry.siemens.com

Security information

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