SIEMENS

Data sheet 6GK1105-3AB10

Product type designation

ESM TP80

SIMATIC NET, ESM TP80 ELECTRICAL SWITCH MODULE W. 8 RJ45 PORTS 10/100MBIT/S AND 8 DIGITAL INPUTS, REDUNDANT 24V DC SUPPLY, SIGNAL CONTACT, INTEGRATED REDUNDANCY MANAGER W. NETWORK MANAGEMENT



Transmission rate	
Transfer rate	10 Mbit/s, 100 Mbit/s
Interfaces	
Number of electrical/optical connections	
for network components or terminal equipment / maximum	8
Type of electrical connection	
• for network components or terminal equipment	RJ45 socket
Interfaces / for communication / integrated	
Number of electrical connections / for network	8
components or terminal equipment	
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	

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	4-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
Active power loss	
● 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 	No	
• S7-1500 rail mounting	No	
• fixed-mounted	Yes	
Product properties, functions, components / genera	ıl	
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	
Protocol / is supported		
• SNMP v1	Yes	
Product functions / Diagnosis		
Product function		
Product function • Statistics Packet Size	Yes	
	Yes 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	
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
• 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	
Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL	http://www.siemens.com/snst

• 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/simatic-net

https://mall.industry.siemens.com

http://www.siemens.com/automation/net/catalog

http://automation.siemens.com/bilddb

http://www.siemens.com/cax

https://support.industry.siemens.com

Security information

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