## **SIEMENS**

Data sheet 6GK1105-3AA10

ESM ITP80 Olectrical Switch Module with eight ITP ports 10/100 Mbit/s and eight digital inputs; redundant DC 24V infeed Signaling contact integrated redundancy manager, with network management max. Ambient temperature +55  $^{\circ}\text{C}$ 



Product type designation	SIMATIC NET ESM ITP80	
Transmission rate	Transmission rate	
Transfer rate	10 Mbit/s, 100 Mbit/s	
Interfaces / for communication / integrated		
Number of electrical connections		
<ul> <li>for network components or terminal equipment</li> </ul>	8	
Number of 100 Mbit/s SC ports		
• for multimode	0	
Interfaces / others		
Number of electrical connections		
<ul> <li>for signaling contact</li> </ul>	1	
<ul><li>for power supply</li></ul>	1	
<ul> <li>for redundant voltage supply</li> </ul>	1	
Type of electrical connection		
• for signaling contact	On 6-pole 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
• ovtornal / minimum	18 V

Supply voltage, current consumption, power loss	
Type of voltage / of the supply voltage	DC
Supply voltage	
• external	24 V
external / minimum	18 V
<ul><li>external / maximum</li></ul>	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	
<ul><li>during operation</li></ul>	0 60 °C
during storage	-40 +80 °C
during transport	-40 +80 °C
Relative humidity	
<ul> <li>at 25 °C / without condensation / during operation / maximum</li> </ul>	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 / general	
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
<ul><li>web-based management</li></ul>	Yes
<ul> <li>MIB support</li> </ul>	Yes
• TRAPs via email	Yes
• RMON	Yes
Port mirroring	Yes
<ul> <li>multiport mirroring</li> </ul>	No
Product function / 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
<ul> <li>Statistics packet type</li> </ul>	Yes
Error statistics	Yes

Product functions / DHCP	
Product function	
DHCP client	Yes

Product functions / Redundancy	
Product function	
<ul> <li>Ring redundancy</li> </ul>	Yes
<ul> <li>High Speed Redundancy Protocol (HRP)</li> </ul>	Yes
<ul> <li>high speed redundancy protocol (HRP) with redundancy manager</li> </ul>	Yes

<ul> <li>high speed redundancy protocol (HRP) with standby redundancy</li> </ul>	Yes
Product function	
<ul> <li>media redundancy protocol (MRP) with redundancy manager</li> </ul>	Yes
<ul> <li>Parallel Redundancy Protocol (PRP)/operation in the PRP-network</li> </ul>	No
<ul> <li>Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)</li> </ul>	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
Standards, specifications, approvals / CE	
Certificate of suitability / CE marking	Yes
Standards, specifications, approvals / miscellaneou	S
Certificate of suitability	
• C-Tick	Yes
KC approval	No
Standards, specifications, approvals / ship classifications	ation
Marine classification association	Yes
<ul> <li>American Bureau of Shipping Europe Ltd. (ABS)</li> </ul>	165
Bureau Veritas (BV)	Yes
<ul><li>Det Norske Veritas (DNV)</li></ul>	Yes
Germanische Lloyd (GL)	Yes
<ul><li>Lloyds Register of Shipping (LRS)</li></ul>	Yes
<ul> <li>Nippon Kaiji Kyokai (NK)</li> </ul>	Yes
<ul> <li>Polski Rejestr Statkow (PRS)</li> </ul>	Yes
Further Information / Internet Links	
Internet-Link	
• to website: Coloster CIMATIC NET	
<ul> <li>to website: Selector SIMATIC NET SELECTION TOOL</li> </ul>	http://www.siemens.com/snst
	http://www.siemens.com/snst  http://www.siemens.com/simatic-net

• to website: Information and Download Center

• to website: Image database

• to website: CAx Download Manager

• to website: Industry Online Support

http://www.siemens.com/industry/infocenter

http://automation.siemens.com/bilddb

http://www.siemens.com/cax

https://support.industry.siemens.com

## Security information

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