SIEMENS

Data sheet | **6GK1105-2AB10**

********** spare part ********* OSM TP62 Optical Switch Module with two FOC ports 100 Mbit/s, 6 RJ45 Ports 10/100 Mbit/s and eight digital inputs, redundant 24 V DC infeed, signaling contact integrated redundancy manager with network management

product type designation	SIMATIC NET OSM TP62
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s
interfaces / for communication / integrated	
number of electrical connections	
● for network components or terminal equipment	6
number of 100 Mbit/s ST(BFOC) ports	
● for multimode	2
number of 100 Mbit/s SC ports	
● for multimode	0
interfaces / other	
number of electrical connections	
● for signaling contact	1
● for power supply	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
operational 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	
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	20 W

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● supply voltage / 1 / rated value	18 ... 32 V
● consumed current / 1 / maximum	1 A
● product component / 1 / fusing at power supply input	Yes

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 weights

width	217 mm
height	161 mm
depth	69 mm
net weight	1.4 kg
fastening method	
● 35 mm top hat DIN rail mounting	Yes
● wall mounting	Yes
● S7-300 rail mounting	No
● S7-1500 rail mounting	No
● fixed-mounted	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	
● CLI	Yes
● web-based management	Yes
● MIB support	Yes
● TRAPs via email	Yes
● RMON	Yes
● port mirroring	Yes
● multiport mirroring	No
product function / switch-managed	Yes
protocol / is supported	
● Telnet	Yes
● HTTP	Yes
● TFTP	Yes
● FTP	Yes
● BOOTP	Yes
● SNMP v1	Yes

product functions / diagnostics

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
● 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
reference code	
● acc. to IEC 81346-2	KF
● according to IEC 81346-2:2019	KFE

standards, specifications, approvals / CE

certificate of suitability / CE marking	Yes

standards, specifications, approvals / other

certificate of suitability	
● C-Tick	Yes
● KC approval	No

standards, specifications, approvals / marine classification

Marine classification association	
● American Bureau of Shipping Europe Ltd. (ABS)	Yes
● French marine classification society (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 web page: selection aid TIA Selection Tool	http://www.siemens.com/tia-selection-tool
● 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	http://www.siemens.com/cax
● to website: Industry Online Support	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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