

Product type designation

OSM TP62

SIMATIC NET, OSM TP62 OPTICAL SWITCH MODULE W. 2 FOC CABLE PORTS 100MBIT/S, 6 RJ45 PORTS, 10/100MBIT/S AND 8 DIGITAL INPUTS, REDUN. 24V DC SUPPLY, SIGNALLING CONTACT, INTEGRATED REDUNDANCY MANAGER W. NETWORK MANAGEMENT



Transmission rate

Transfer rate	10 Mbit/s, 100 Mbit/s
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Interfaces / for communication / integrated

Number of electrical connections	
<ul style="list-style-type: none"> for network components or terminal equipment 	6
Number of 100 Mbit/s ST(BFOC) ports	
<ul style="list-style-type: none"> for multimode 	2
Number of 100 Mbit/s SC ports	
<ul style="list-style-type: none"> for multimode 	0
Number of 1000 Mbit/s LC ports	
<ul style="list-style-type: none"> for multimode for single mode (LD) 	0 0

Interfaces / others

Number of electrical connections	
<ul style="list-style-type: none"> for signaling contact for power supply for redundant voltage supply 	1 1 1

Type of electrical connection	On 6-pole terminal block 6-pole plug-in terminal block
<ul style="list-style-type: none"> • for signaling contact • for power supply 	

Signal-Inputs/outputs

Operating voltage / of the signaling contacts	24 V
<ul style="list-style-type: none"> • at DC / Rated value 	
Operating current / of the signaling contacts	0.1 A
<ul style="list-style-type: none"> • at DC / maximum 	
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	-30 ... +3 V
<ul style="list-style-type: none"> • for signal <0> / at DC — Rated value 	24 V
<ul style="list-style-type: none"> • for signal <1> / at DC — Rated value 	13 ... 30 V 24 V
Input current / at digital input	0.008 mA
<ul style="list-style-type: none"> • with signal <0> / maximum • for signal <1> 	0.008 A

Supply voltage, current consumption, power loss

Type of voltage / of the supply voltage	DC
Supply voltage	24 V
<ul style="list-style-type: none"> • external • 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]	20 W
<ul style="list-style-type: none"> • at DC / at 24 V 	

Permitted ambient conditions

Ambient temperature	0 ... 60 °C
<ul style="list-style-type: none"> • during operation • during storage • during transport 	-40 ... +80 °C -40 ... +80 °C
Relative humidity	95 %
<ul style="list-style-type: none"> • at 25 °C / without condensation / during operation / maximum 	
Protection class IP	IP20

Design, dimensions and weight

Width	217 mm
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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 / general

Cascading in the case of a redundant ring / at reconfiguration time of $\leq 0.3\text{ s}$	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
• 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	
• Statistics Packet Size	Yes
• Statistics packet type	Yes
• Error statistics	Yes

Product functions / DHCP

Product function	
• DHCP client	Yes

Product functions / Redundancy

Product function	
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<ul style="list-style-type: none"> • Ring redundancy 	Yes
<ul style="list-style-type: none"> • High Speed Redundancy Protocol (HRP) 	Yes
<ul style="list-style-type: none"> • high speed redundancy protocol (HRP) with redundancy manager 	Yes
<ul style="list-style-type: none"> • high speed redundancy protocol (HRP) with standby redundancy 	Yes
Product function	
<ul style="list-style-type: none"> • media redundancy protocol (MRP) with redundancy manager 	Yes
<ul style="list-style-type: none"> • Parallel Redundancy Protocol (PRP)/operation in the PRP-network 	No
<ul style="list-style-type: none"> • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) 	No

Product functions / Time

Product function	
<ul style="list-style-type: none"> • SICLOCK support 	Yes

Standards, specifications, approvals

Standard	
<ul style="list-style-type: none"> • for FM 	FM3611: Class 1, Divison 2, Group A, B, C, D / T.. A, CL.1, Zone 2, GP. IIC, T4
<ul style="list-style-type: none"> • for safety / from CSA and UL 	UL 60950-1, CSA C22.2 No. 60950-1
<ul style="list-style-type: none"> • for emitted interference 	EN 61000-6-4
<ul style="list-style-type: none"> • for interference immunity 	EN 61000-6-2
Certificate of suitability / CE marking	Yes
Certificate of suitability	
<ul style="list-style-type: none"> • C-Tick 	Yes
<ul style="list-style-type: none"> • KC approval 	No
Marine classification association	
<ul style="list-style-type: none"> • American Bureau of Shipping Europe Ltd. (ABS) 	Yes
<ul style="list-style-type: none"> • Bureau Veritas (BV) 	Yes
<ul style="list-style-type: none"> • Det Norske Veritas (DNV) 	Yes
<ul style="list-style-type: none"> • Germanische Lloyd (GL) 	Yes
<ul style="list-style-type: none"> • Lloyds Register of Shipping (LRS) 	Yes
<ul style="list-style-type: none"> • Nippon Kaiji Kyokai (NK) 	Yes
<ul style="list-style-type: none"> • Polski Rejestr Statkow (PRS) 	Yes

Further Information / Internet Links

Internet-Link	
<ul style="list-style-type: none"> • to website: Selector SIMATIC NET SELECTION TOOL 	http://www.siemens.com/snst
<ul style="list-style-type: none"> • to website: Industrial communication 	http://www.siemens.com/simatic-net
<ul style="list-style-type: none"> • to website: Industry Mall 	https://mall.industry.siemens.com

- 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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