


Product information

OS34-10080299T6T5-TN9S999HHSE2SXX.X.XX

Name		OS34-10080299T6T5-TN9S999HHSE2SXX.X.XX
		
Life cycle		
Availability	available	
Product Description		
Description	Managed IP65 / IP67 switch in accordance with IEEE 802.3, store-and-forward-switching, HiOS Layer 2 Standard, power sourcing equipment in accordance with IEEE 802.3at (PoE+ inline power), Fast-Ethernet (10/100 MBit/s) and Gigabit-Ethernet (1000 MBit/s)	
Port type and quantity	10 ports in total; 10 x PoE(+) Ports (phantom power); Local ports 10/100 BASE-TX, M12 „D“-coded, 4-pin; second pair of uplink ports 1000 BASE T, M12 „X“-coded, 8-pins; TP-cable, auto-crossing, auto-negotiation, auto-polarity	
Type	OS34-10080299T6T5-TN9S999HHSE2SXX.X.XX	
Order No.	942 133-999	
More Interfaces		
Power supply/signaling contact	7/8" connector, 4 pins / M12 connector, 5 pins, „A“-coding	
V.24 interface	1 x M12 4-pin connector, A coding	
USB interface	1 x M12 5-pin socket, A coding	
Network size - length of cable		
Twisted pair (TP)	0-100 m	
Network size - cascading		
Line - / star topology	any	
Ring structure (HIPER-Ring) quantity switches	MRP, HIPER-Ring max. 50 switches (reconfiguration time 0.3 s), RSTP	
Power requirements		
Operating voltage	72/110 VDC (50.4 .. 138 VDC)	
Power consumption	26 W	
Software		
Management	TFTP, SFTP, SCP, LLDP (802.1AB), LLDP-MED, SSHv2, V.24, HTTP, HTTPS, Traps, SNMP v1/v2/v3, Telnet	
Diagnostics	Management Address Conflict Detection, MAC Notification, Signal Contact, Device Status Indication, TCPDump, LEDs, Syslog, Persistent Logging on ACA, Port Monitoring with Auto-Disable, Link Flap Detection, Overload Detection, Duplex Mismatch Detection, Link Speed and Duplex Monitoring, RMON (1,2,3,9), Port Mirroring 1:1, Port Mirroring 8:1, Port Mirroring N:1, System Information, Self-Tests on Cold Start, Copper Cable Test, SFP Management (temperature, optical input and output power), Configuration Check dialog, Switch Dump, Snapshot Configuration feature	
Security	MAC-based Port Security, Port-based Access Control with 802.1X, Guest/unauthenticated VLAN, Integrated Authentication Server (IAS), RADIUS VLAN Assignment, Automatic Denial-of-Service Prevention, VLAN-based ACL, Ingress VLAN-based ACL, Basic ACL, Access to Management restricted by VLAN, Device Security Indication, Audit Trail, CLI Logging, HTTPS Certificate Management, Restricted Management Access, Appropriate Use Banner, Configurable Password Policy, Configurable Number of Login Attempts, SNMP Logging, Multiple Privilege Levels, Local User Management, Remote Authentication via RADIUS, User Account Locking	
Redundancy	Link Aggregation with LACP, Link Backup, Media Redundancy Protocol (MRP) (IEC62439-2), RSTP 802.1D-2004 (IEC62439-1), RSTP Guards	
Industrial profiles	EtherNet/IP Protocol, IEC61850 Protocol (MMS server, switch model), ModbusTCP, PROFINET IO Protocol	
Time synchronisation	PTPv2 Transparent Clock two-step, PTPv2 Boundary Clock, Buffered Real Time Clock, SNTP Client, SNTP Server	
Flow control	Queue-Shaping / Max. Queue Bandwidth, Flow Control (802.3X), Egress Interface Shaping, Ingress Storm Protection	
Switching	Independent VLAN Learning, Fast Aging, Static Unicast/Multicast Address Entries, QoS / Port Prioritization (802.1D/p), TOS/DSCP Prioritization, Interface Trust Mode, CoS Queue Management, Jumbo Frames, VLAN (802.1Q), Voice VLAN, IGMP Snooping/Querier per VLAN (v1/v2/v3), Unknown Multicast Filtering, Multiple VLAN Registration Protocol (MVRP), Multiple MAC Registration Protocol (MMRP), Multiple Registration Protocol (MRP)	
Presettings	MRP, RSTP	
Miscellaneous	Dual Software Image Support, PoE (802.3AF), PoE+ (802.3AT), PoE+ Manual Power Management, PoE Fast Startup, VLAN Unaware Mode, Manual Cable Crossing, Port Power Down	



Diagnostics features	
Diagnostic function	LEDs
Ambient conditions	
Operating temperature	-40- +70 °C
Storage/transport temperature	-40- +85 °C
Relative humidity	10-100 %
Mechanical construction	
Dimensions (W x H x D)	261 mm x 186 mm x 95 mm
Mounting	Wall mounting
Weight	3.5 kg
Protection class	IP65 / IP67
Mechanical stability	
IEC 60068-2-27 shock	Vertical: 3 g, 30 ms duration, horizontal: 5 g, 30 ms duration
IEC 60068-2-6 vibration	5 Hz - 150 Hz, vertical 7.9 m/s ² , horizontal 5.5 m/s ²
EMC interference immunity	
EN 61000-4-2 electrostatic discharge (ESD)	6 kV contact discharge, 8 kV air discharge
EN 61000-4-3 electromagnetic field	20 V/m (80-3000 MHz)
EN 61000-4-4 fast transients (burst)	2 kV power line, 2 kV data line
EN 61000-4-5 surge voltage	power lines: 2 kV (line/earth), 1 kV (line/line), data lines: 1 kV (line/earth)
EN 61000-4-6 conducted immunity	10 V (150 kHz-80 MHz)
EMC emitted immunity	
FCC CFR47 Part 15	FCC CFR47 Part 15 Class A
EN 55022	EN 55022 Class A
Approvals	
Basic standard	CE, FCC, EN61131
Safety of industrial control equipment	EN60950-1
Railway norm	EN50121-4, EN50155
Scope of delivery and accessories	
Scope of delivery	Connector for power supply, description and operating instructions

For more information please contact:

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The information/details merely contain general descriptions or performance factors which, when applied in an actual situation, do not always correspond with the described form, and may be amended by way of the further development of products.

These are the prominent technical specifications. For complete technical specifications visit: www.hirschmann.com