



IP67 Switches



Gigabit Ethernet with Fiber Optic Ports



Industrial On-Machine Switches

OCTOPUS Series - IP 67 - Now with Fiber Optic Ports



The OCTOPUS family of switches meet all relevant industry standards and are the most robust switches in the market. With Power over Ethernet, Professional firmware standard on all models and Gigabit connectivity for where a higher bandwidth connection is required, Hirschmann has complemented its IP67 solutions with an absolutely future-proof technology. This is deployed in all situations where new end devices such as IP cameras or IP telephones require electrical power without additional installation work.

All products in the OCTOPUS family can be mounted on the wall or directly on the machine. The IP67 variants offer 8/16/24 Twisted Pair ports (each with up to 8 PoE ports), using ODVA-standardized 4-pin M12 D-code technology. As the switches are freely cascadable, it is simple to build decentralized structured networks with the shortest possible patch cables to the end devices. The OS20 and OS30 switches utilize IP67 fiber connections per the IEC 61076-3-106 standard - Variant 1 is approved by ODVA for use with EtherNet/IP, Variant 4 is approved for use with PROFINET.

Standard features include: Totally enclosed IP67 design, ODVA-standardized 4-pin M12 D-code IP67 Ethernet connector, OCTOPUS M is the industry's first managed IP67 switch, Management via SNMP v1, v2, v3, web GUI or TELNET, Redundancy via HIPER-Ring and Rapid Spanning Tree, Redundant power supply for high availability, Operating temperatures as low as - 40° C to + 70° C, and External signaling of alarms via signal contact or network messaging.

OCTOPUS IP 67 Unmanaged and Managed Switches

Part No.	Order No.	Ports/Functions
OCTOPUS 5TX EEC	943 892-001	5 x 10/100 Mbps M12-coding, Unmanaged IP 67 Switch
OCTOPUS 8M	943 931-001	8 x 10/100 Mbps M12, Managed IP 67 Switch
OCTOPUS 16M	943 912-001	16 x 10/100 Mbps M12, Managed IP 67 Switch
OCTOPUS 16M-Train	943 984-001	16 x 10/100 Mbps M12, EN 50155, Managed IP 67 Switch
OCTOPUS 24M	943 923-001	24 x 10/100 Mbps M12, Managed IP 67 Switch
OCTOPUS 8M-6PoE	943 967-101	8 x 10/100 Mbps M12 with 6 PoE ports, Managed IP 67 Switch
OCTOPUS 8M-8PoE	943 967-001	16 x 10/100 Mbps M12 with 8 PoE ports, Managed IP 67 Switch
OCTOPUS 16M-8PoE	943 960-001	24 x 10/100 Mbps M12 with 8 PoE ports, Managed IP 67 Switch
OCTOPUS OS20-0010001M1MTREPHH	943 988-001	8x 10/100 mbps, 2x 100mbps singlemode (Variant 1)
OCTOPUS OS20-0010001S1STREPHH	943 988-002	8x 10/100 mbps, 2x 100mbps singlemode (Variant 1)
OCTOPUS OS20-0010004M4MTREPHH	943 988-003	8x 10/100 mbps, 2x 100mbps MULTIMODE (Variant 4)
OCTOPUS OS20-0010004S4STREPHH	943 988-004	8x 10/100 mbps, 2x 100mbps singlemode (Variant 4)
OCTOPUS OS30-0008021A1ATREPHH	943 988-005	8x 10/100 mbps, 2x Gigabit singlemode (Variant 1)
OCTOPUS OS30-0008021B1BTREPHH	943 988-006	8x 10/100 mbps, 2x Gigabit singlemode (Variant 1)
OCTOPUS OS30-0008024A4ATREPHH	943 988-007	8x 10/100 mbps, 2x Gigabit multimode (Variant 4)
OCTOPUS OS30-0008024B4BTREPHH	943 988-008	8x 10/100 mbps, 2x Gigabit singlemode (Variant 4)

OCTOPUS IP 67 Connectivity Solutions

Part No.	Order No.	Ports/Functions
EM12S OCTOPUS	934 445-001	Field-installable M12 (IP67) Ethernet connector
EF12RJ45 OCTOPUS	934 498-001	Bulkhead M12 to RJ45
ACA21-M12 EEC	943 913-002	ACA 21 auto configuration adapter for OCTOPUS managed switches
OCTOPUS Terminal Cable	943 902-001	M12 4-pin to Sub-D- 9-pin terminal cable

NOTE: See page 26 for patch cables



OCTOPUS 5TX EEC



OCTOPUS 8M



OCTOPUS 8M-8PoE



OCTOPUS 16M-2FX



OCTOPUS 16M-8PoE



OCTOPUS 24M