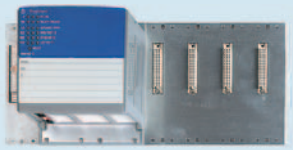
HIRSCHMANN

Switches Ethernet Industrial

POWERMICE - Layer 2 e Layer 3

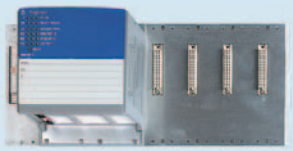
BAUMIER
Autom@tion

MS4128-L2P



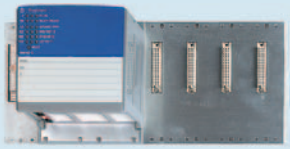
MICE, modular, managed Industrial ETHERNET Switch, Layer 2 Switch with Software Professional. Ehternet (10 Mbit/s) and Fast-ETHERNET (100 Mbit/s) and Gigabit-ETHERNET (1000 Mbit/s)
Port type and quantity: up to 28 ports above media modules practicable, 4 X 1000 BASE-SX with SFP modules or 4 x 10/100/1000 BASE-TX and 24 Fast-ETHERNET (100 Mbit/s) ports (with MB-2T)
Type: MS4128-L2P
Order No.: 943 009-101
Power supply/signaling contact: 2 plug-in terminal blocks, 4-pin
V.24 interface: 1 x RJ11 socket
USB interface: 1 USB interface to connect auto-configuration adapter (ACA21-USB)
Line - / star topology: any
Ring structure (HIPER-Ring): 50 switches (reconfiguration time < 50 ms typ. at LWL)
Operating voltage: 24 V DC (-25% to +30%)
Current consumption at 24 V DC: 630 mA (without media modules)
Power consumption: 15 W (without media modules)
Management: serial interface, web interface, SNMP V1/V2/V3, HiVision, file transfer SW HTTP/TFTP
Diagnostics: LEDs (power, link status, data, 100 Mbit/s, auto-negotiation, full-duplex, error, redundancy management, ring-port, LED-test), signal contact (24V DC / 1 A), syslog, logfile, RMON, port mirroring, Topology Discovery IEEE 802.1AB (LLDP)
Configuration: comand line interface (CLI), TELNET, BootP, DHCP, DHCP Option 82, HIDiscovery, auto-configuration adapter (ACA21-USB)
Security: authentification 802.1x, port-security IP and MAC, SNMP V3, (ACL, SSH, SSL pendling)
Other services: QoS 4 classes, priorisation (IEEE 802.1D/p), VLAN (IEEE 802.1Q), multicast (IGMP snooping/querier), broadcastlimiter, fast aging, flow control IEEE 802.3x, PTP client (Precision Time Protocol, IEEE 1588), SNTP (Simple Network Time Protocol)
Prepared for: TOS (type of service) diff.-serv, TOS-prio-mapping, protocoll based VLANs, traffic shaping, MSTP-802.1s
Redundancy functions: HIPER-Ring (ring structure), RSTP IEEE 802.1w (rapid spanning tree protocol), redundant network/ring coupling (master/receiver functionality), dual homing (master/receiver functionality), redundant 24 V power supply
Operating temperature: 0 ºC to +60 ºC
Storage/transport temperature: -25 ºC to +70 ºC
Relative humidity (non-condensing): 10% to 95%
MTBF: 24.2 years; MIL-HDBK 217F: Gb 25 ºC
Dimensions (W x H x D): 315 mm x 134 mm x 140 mm
Mounting: DIN Rail 35
Weight: 2,2 kg
Protection class: IP 20

MS4128-L3E



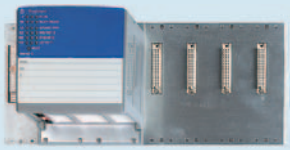
MICE, modular, managed Industrial ETHERNET Switch, Layer 3 Switch with Software Enhanced. ETHERNET (10 Mbit/s) and Fast-ETHERNET (100 Mbit/s) and Gigabit-ETHERNET (1000 Mbit/s)
Port type and quantity: up to 28 ports above media modules practicable, 4 X 1000 BASE-SX with SFP modules or 4 x 10/100/1000 BASE-TX and 24 Fast-ETHERNET (100 Mbit/s) ports (with MB-2T)
Type: MS4128-L3E
Order No.: 943 009-201
Other services: QoS 4 classes, priorisation (IEEE 802.1AB (LLDP)), VLAN (IEEE 802.1AB (LLDP)), multicast (IGMP snooping/querier), broadcastlimiter, fast aging, flow control IEEE 802.3x, PTP client (Precision Time Protocol, IEEE 1588), SNTP (Simple Network Time Protocol)
Prepared for: TOS (type of service) diff.-serv, TOS-prio-mapping, protocoll based VLANs, traffic shaping, MSTP-802.1s
Dynamic routing: static routing, dynamic routing (RIP V1/2), ACL, VRRP,
Redundancy functions: HIPER-Ring (ring structure), RSTP IEEE 802.1w (rapid spanning tree protocol), redundant network/ring coupling (master/receiver functionality), dual homing (master/receiver functionality), redundant 24 V power supply

MS4128-L3P



MICE, modular, managed Industrial ETHERNET Switch, Layer 3 Switch with Software Professional. Ehternet (10 Mbit/s) and Fast-ETHERNET (100 Mbit/s) and Gigabit-ETHERNET (1000 Mbit/s)
Port type and quantity: up to 28 ports above media modules practicable, 4 X 1000 BASE-SX with SFP modules or 4 x 10/100/1000 BASE-TX and 24 Fast-ETHERNET (100 Mbit/s) ports (with MB-2T)
Type: MS4128-L3P
Order No.: 943 009-301
Security: authentification 802.1x, port-security IP and MAC, SNMP V3, (ACL, SSH, SSL pendling)
Other services: QoS 4 classes, priorisation (IEEE 802.1D/p), VLAN (IEEE 802.1Q), multicast (IGMP snooping/querier), broadcastlimiter, fast aging, flow control IEEE 802.3x, PTP client (Precision Time Protocol, IEEE 1588), SNTP (Simple Network Time Protocol)
Prepared for: TOS (type of service) diff.-serv, TOS-prio-mapping, protocoll based VLANs, traffic shaping, MSTP-802.1s
Dynamic routing: static routing, dynamic routing (RIP V1/2, OSPF), ACL, VRRP, prepared for Multicast Routing
Redundancy functions: HIPER-Ring (ring structure), RSTP IEEE 802.1w (rapid spanning tree protocol), redundant network/ring coupling (master/receiver functionality), dual homing (master/receiver functionality), redundant 24 V power supply
Dimensions (W x H x D): 315 mm x 134 mm x 140 mm

MS4128-5



MICE, modular, managed Industrial ETHERNET Switch,
store and forward switching mode,
Ethernet (10 Mbit/s) and Fast-Ethernet (100 Mbit/s) and
Gigabit-Ethernet (1000 Mbit/s)
Port type and quantity: up to 28 ports possible via media modules,
4 x 1000BASE-SX with SFP modules or 4 x 10/100/1000BASE-TX and
24 Fast-Ethernet (100 Mbit/s) ports
Type: MS4128-5
Order No.: 943 009-001
Other services: QoS 4 classes, prioritization (IEEE 802.1D/p), VLAN (802.1Q), multicast (IGMP snooping/querier, GMRP), broadcastlimiter, SNTP (simple network time protocol), flow control IEEE 802.3x
Prepared for: TOS (Type of Service) Diff.-Serv, TOS-Prio-Mapping, protocol based VLANs,
Routing RIP and OSPF HIRRP / VRRP, Proxy ARP
Redundancy functions: HIPER-Ring (ring structure), RSTP (rapid spanning tree protocol),
redundant network/ring coupling, dual homing,
redundant 24 V power supply, redundant signal contact,
link aggregation dynamic and static (max. 7 trunks, 8 ports/trunk, LACP)

HIRSCHMANN

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This flyer was compiled by Baumier Automation in cooperation with Hirschmann Automation and Control GmbH.