

Ethernet Switch, 5 Ports - ETHSW50K



- 5x 10/100 BaseT(X)
- Unmanaged / Plug and Play
- IEEE 802.3, IEEE 802.3u, IEEE 802.3x
- IEEE 802.3az: EEE (Energy Efficient Ethernet)
- Broadcast- and Multicast- Flooding Storm Control
- Redundant voltage Input / fault Signal relay
- Operatingtemperature -20 °C to +60 °C
- Protection class IP30
- Compact and slim polycarbonath housing

<https://www.wachendorff-prozesstechnik.de/ETHSW50K-eng>

Beschreibung

The ETHSW50K is a very compact, slim and robust Industrial Ethernet switch with 5 x 10/100BaseT (X). The Switch supports 10BaseT according to IEEE 802.3, 100BaseTX according to IEEE802.3u and Flow Control (Ethernet data flow control) according to IEEE802.3x. The compact, IP30 certified plastic housing has been developed for use in harsh and demanding industrial environments where large temperature differences and physical stress are not unknown.

The ETHSW50K is an unmanaged and plug and play capable switch with a non-blocking/wirespeed Layer 2 switching engine. The Store and Forward mode of operation ensures secure transmission. The switchable Flooding Storm Control function protects against unwanted assignment of the available transmission rate by broadcast or multicast data frames.

The switch has a redundant voltage input and a fault signal relay for signalling an error. In this way, failure of a power supply unit or the power supply can guarantee trouble-free operation and direct fault detection. By implementing IEEE 802.3az Energy Efficient Ethernet, energy consumption of idle ports can be significantly reduced.

Produkt-Details

Operation:	Store and Forward
Switching engine:	wire-speed / non-blocking
Ethernet Standards:	<ul style="list-style-type: none"> • IEEE 802.3 (10BaseT) • IEEE 802.3u (100BaseTX) • IEEE 802.3az (EEE) • IEEE 802.3x (Full Duplex) and Back-Pressure (Half Duplex)
RJ45 - Ports:	5x 10/100BaseT(X)
RJ45 - Speed:	Auto-Negotiation (10/100 Mbit/s)
RJ45 - Duplex:	Half- or Full-Duplex
RJ45 - Connection:	MDI/MDIX Auto-Crossover / TD/RD Auto-Polarity
Fault contact:	Fault Signal relay for detection of a power supply failure
DIP-Switch:	1x Flooding Storm Control 1x Power Alarm (Fault Signal relay)
MAC table size:	1K
Indication:	1x Alarm: ! - Failure Power Supply 2x Power Status: 1, 2 - Status Power Supply 5x Ethernet port status: Link & Speed
Power supply:	Redundant voltage input
Voltage range:	12 to 58 VDC
Power consumption:	30 mA at 48V, 25°C, full-load

Operating temperature:	-20°C to +60°C
Storage temperature:	-40°C to +85°C
Humidity:	5 % to 95 % rF (non-condensing)
FCC/EMI:	FCC Part 15 CISPR 22 (EN55022), Class A
Vibration:	IEC60068-2-6
Schock:	IEC60068-2-27
Drop:	IEC60068-2-32
CE (EMS):	IEC61000-4-2 IEC61000-4-3 IEC61000-4-4 IEC61000-4-5 IEC61000-4-6 (Level 3)
RoHS and WEEE:	conform
Protection class:	IP30
Housing:	robust and slim polycarbonath
Dimension (WxHxD):	25 mm x 113 mm x 97,38 mm (incl. DIN-Rail holder)
Weight:	135 Gramm
Montage:	DIN-Rail
Scope of delivery:	Switch, block connector, Operating and installation instructions
Manufacturer:	Wachendorff Prozesstechnik GmbH & Co. KG, Germany

Bestell-Nr. Produkt(e)

ETHSW50K	5-fach Ethernet Switch, unmanaged
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