

Ethernet Switch, 5 Ports, Gigabit -



- 5x 10/100/1000BaseT(X)
- Unmanaged / Plug and Play
- IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x
- IEEE 802.1p: CoS, 4 Queues per Port
- Supports Jumbo Frames up to 9000 Byte
- Broadcast- and Multicast- Flooding Storm Control
- Redundant voltage Input / fault Signal relay
- Operatingtemperature -40 °C to +75 °C
- Protection class IP30

<https://www.wachendorff-prozesstechnik.de/ETHSWG5C-eng>

Beschreibung

The ETHSWG5C is a very compact and robust Industrial Ethernet switch with 5x 10/100/1000BaseT (X). In addition to IEEE 802.3, IEEE802.3u, IEEE 802.3ab and IEEE802.3x, it also supports CoS according to IEEE 802.1p. For this purpose, 4 queues (priority classes) are available per port. The compact, IP30 rated enclosure is designed for use in harsh and demanding industrial environments where large temperature differences and physical stress are known.

The ETHSWG5C 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.

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 802.3ab (1000BaseTX) • IEEE 802.1p (CoS) • IEEE 802.3x (Full Duplex) and Back-Pressure (Half Duplex) • Jumbo Frames 9K
RJ45 - Ports:	5x 10/100/1000BaseT(X)
RJ45 - Speed:	Auto-Negotiation (10/100/1000 Mbit/s)
RJ45 - Duplex:	Half- or Full-Duplex
RJ45 - Connection:	MDI/MDIX Auto-Crossover
Fault contact:	Störmelde-Relais für Erfassung Spannungsversorgung
DIP-Switch:	1x Flooding Storm Control 1x Power Alarm (Störmeldekontakt)
MAC table size:	2K
Indication:	1x Alarm: ALM - Ausfall Spannungsversorgung 2x Power Status: P1, P2 - Status Spannungsversorgung 5x Ethernet port status: Link & Speed
Power supply:	Redundant voltage input
Voltage range:	12 to 58 VDC
Power consumption:	55 mA at 48V, 25°C, full-load

Operating temperature:	-40 °C to +75 °C (cold start at -40°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 und WEEE:	conform
Protection class	IP30
Housing:	robust metalhousing
Dimension (WxHxD):	29,1 mm x 109,2 mm x 89,4 mm
Weight:	330 Gramm
Montage:	DIN-Rail and Wall-mount
Manufacturer:	Wachendorff Prozesstechnik GmbH & Co. KG, Germany

Bestell-Nr. Produkt(e)

ETHSWG5C	5-fach Ethernet Switch, Gigabit, unmanaged
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