

IE-SW-EL05-4GT-1GESFP**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Features of EcoLine unmanaged Switch series**

- Huge variety of port count and media type enable a wide range of applications (5 to 24 ports)
- Models supporting Gigabit Ethernet including Jumbo Frame support for applications with high demand on bandwidth and latency
- Suitable for use in harsh industrial environment thanks to rugged design and wide operating temperature range of -40°C up to 75°C
- Reliable operation due to redundant voltage inputs, fault relay and LED diagnostics

General ordering data

Version	Network switch, unmanaged, Gigabit Ethernet, Number of ports: 4 x RJ45, 1x 1000BaseSFP Slot, IP30, -40 °C...75 °C
Order No.	2682220000
Type	IE-SW-EL05-4GT-1GESFP
GTIN (EAN)	4050118692495
Qty.	1 pc(s).

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Technical data**Dimensions and weights**

Depth	94.9 mm	Depth (inches)	3.736 inch
Height	144.3 mm	Height (inches)	5.681 inch
Net weight	495 g	Width	26.1 mm
Width (inches)	1.028 inch		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-40 °C...75 °C
Humidity	5 to 95 % (non-condensing)		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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EMC conformity and approvals

EMC standards	EN 55032, EN 55024, CISPR 32, FCC Part 15 Subpart B Class A, IEC 61000-4-2 ESD: Contact: 4 kV; Air: 8 kV, IEC 61000-4-3 RS: 80 MHz bis 1 Ghz: 3 V/m, IEC 61000-4-4 EFT: Power: 0.5 kV; Signal: 0.5 kV, IEC 61000-4-5 Surge: Power: 0.5 kV; Signal: 1 kV, IEC 61000-4-6 CS: 3 Vrms	Free fall	
Safety standard	UL 61010-1, UL 61010-2-201	Shock	According to IEC 60068-2-31 according to IEC 60068-2-27
Vibration	according to IEC 60068-2-6		

Environmental conditions

Humidity	5 to 95 % (non-condensing)	Operating altitude	≤ 2000 m
Operating temperature, max.	75 °C	Operating temperature, min.	-40 °C
Storage temperature, max.	85 °C	Storage temperature, min.	-40 °C

Guarantee

Time interval	5 years
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Interfaces

DIP switch	2x for enabling/disabling power fault alarm via relay	Fibre-optic ports	1000BaseSFP-Slot
LED indicator	Power LED: PWR1, PWR2, FAULT, Port LED: LNK/ACT, 10/100/1000M (RJ45 port), LNK/ACT (SFP port)	Note	When connecting a single-mode fiber transceiver over a short distance, we recommend using an attenuator to prevent the transceiver from being damaged by excessive optical power.
Number of ports	4 x RJ45, 1x 1000BaseSFP Slot	RJ45 ports	10/100/1000BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port
Signalling contact	1 relay output with a current capacity of 1 A at 24 V DC		

MTBF

MTBF	1,861,840 hrs	Database	Telcordia SR332
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Power supply

Connection type	1 removable 6-pin terminal block	
Current consumption	Voltage	24 V DC
	Current	0.18 A
Overload current protection	Yes	
Reverse polarity protection	Yes	
Voltage supply	24 V DC, 2 redundant inputs	
Voltage supply range	Voltage type	DC
	Voltage, min.	12 V
	Voltage, max.	48 V

Switch characteristics

Bandwidth backplane	10 Gbps	Jumbo frame support	up to 10 KB
MAC table size	1 K	Packet buffer size	1 Mbit

Technical data

Housing main material	Metal	Protection degree	IP30
Speed	Gigabit Ethernet	Switch	unmanaged
Type of mounting	DIN rail		

Technology

Data switching	Store and Forward	Flow control	IEEE 802.3x flow control
Standard	IEEE 802.3 for 10BASE-T, IEEE 802.3u for 100BASE-TX, IEEE 802.3ab for 1000BASE-T, IEEE 802.3z for 1000BASE-X, IEEE 802.3x for flow control		

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www.weidmueller.com**Technical data****Classifications**

ETIM 6.0	EC000734	ETIM 7.0	EC000734
ECLASS 9.0	19-17-01-06	ECLASS 9.1	19-17-01-06
ECLASS 10.0	19-17-04-02	ECLASS 11.0	19-17-04-02

Approvals

Approvals



ROHS	Conform
UL File Number Search	E141197

Downloads

Approval/Certificate/Document of Conformity	EU Declaration of Conformity RCM Declaration of Conformity
Engineering Data	STEP
User Documentation	Hardware Installation Guide