

IE-SW-ELB-05-5GT**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Features of EcoLine Series B Switches**

- Covers the most common port combinations with RJ45 and SFP ports for flexible usage
- Network availability is strongly increased thanks to Broadcast Storm Protection
- Support real time communication e.g. in PROFINET networks due to the "Quality of Service" functionality – "PROFINET Conformance Class A"
- Very small design for installation in places where space is critical
- A rotatable DIN-rail-clip allows use at locations offering very limited vertical space such as installation cabinets
- The AC voltage input enables use without a switching power supply to save cost in e.g. building automation
- Plastic-free, handling optimized packaging for fast processing and environmental friendliness

General ordering data

Version	Network switch, unmanaged, Gigabit Ethernet, Number of ports: 5x RJ45, IP40, -10 °C...60 °C
Order No.	2828560000
Type	IE-SW-ELB-05-5GT
GTIN (EAN)	4064675369899
Qty.	1 pc(s).

IE-SW-ELB-05-5GT

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Dimensions and weights

Depth	64 mm	Depth (inches)	2.52 inch
Height	103 mm	Height (inches)	4.055 inch
Width	26 mm	Width (inches)	1.024 inch
Net weight	135 g		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-10 °C...60 °C
Operating temperature, min.	-10 °C	Operating temperature, max.	60 °C
Humidity	5 to 95 % (non-condensing)		

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	According to IEC 60068-2-31
Safety standard	UL 61010-1, UL 61010-2-201	Shock	according to IEC 60068-2-27
Vibration	according to IEC 60068-2-6		

Environmental conditions

Humidity	5 to 95 % (non-condensing)		
Operating altitude	Altitude, max.	2,000 m	
	Note	in acc. with UL	
Operating temperature, max.	60 °C		
Operating temperature, min.	-10 °C		
Storage temperature, max.	85 °C		
Storage temperature, min.	-40 °C		

Guarantee

Time interval	5 years
---------------	---------

Interfaces

Function DIP switch	1x for enabling QoS (according to IEEE 802.1p), 1x for enabling/disabling the broadcast storm protection	LED indicator	Power LED: PWR, Port LED: LNK/ACT, 10/100M (RJ45 port)
Number of ports	5x RJ45	RJ45 ports	10/100/1000BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port

IE-SW-ELB-05-5GT

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

MTBF

MTBF	According to Standard	Telcordia SR-332
	Operating time (hours), min.	473,568 h

Management features

Network traffic filter	Quality of Service (QoS)	Industrial protocol support	PROFINET device acc. to conformance class A
------------------------	--------------------------	-----------------------------	---

Power supply

Current consumption	Voltage	24 V DC
	Current	0.17 A
Overload current protection	Yes	
Reverse polarity protection	Yes	
Voltage supply	12/24/48 V DC, 24 V AC, 1 single input	
Voltage supply range	Voltage type	DC
	Voltage, min.	9.6 V
	Voltage, max.	60 V
	Voltage type	AC
	Voltage, min.	18 V
	Voltage, max.	36 V

Switch characteristics

Bandwidth backplane	10 Gbit/s	MAC table size	2 K
Packet buffer size	1 Mbit		

Technical data

Housing main material	Metal	Protection degree	IP40
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 802.3x for flow control, IEEE 802.1p for Class of Service / Quality of Service (CoS/QoS)		

Classifications

ETIM 6.0	EC000734	ETIM 7.0	EC000734
ETIM 8.0	EC000734	ETIM 9.0	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
ECLASS 12.0	19-17-04-02	ECLASS 13.0	19170402

IE-SW-ELB-05-5GT

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Technical data

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	95f06c58-199a-4ab7-817c-c2503ba62133

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E141197

Downloads

Approval/Certificate/Document of Conformity	KC certificate EU Declaration of Conformity UK Declaration of Conformity RCM Declaration of Conformity
Engineering Data	CAD data – STEP
User Documentation	Hardware Installation Guide
Catalogues	Catalogues in PDF-format