

IE-SW-EL18-16TX-2GC**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, Fast/Gigabit Ethernet, Number of ports: 16x RJ45 10/100BaseT(X), 2x combo-ports (10/100/1000BaseT(X) or 1000BaseSFP), IP30, -40 °C...75 °C
Order No.	2682200000
Type	IE-SW-EL18-16TX-2GC
GTIN (EAN)	4050118692518
Qty.	1 pc(s).

Creation date April 16, 2021 8:02:48 AM CEST

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Technical data

Dimensions and weights

Depth	108.5 mm	Depth (inches)	4.272 inch
Height	154 mm	Height (inches)	6.063 inch
Net weight	1,550 g	Width	96.4 mm
Width (inches)	3.795 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

Fibre-optic ports	1000BaseSFP-Slot	LED indicator	Port LED: Link/ACT, FDX (RJ45 port)
Number of ports	16x RJ45 10/100BaseT(X), 2x combo-ports (10/100/1000BaseT(X) or 1000BaseSFP)	RJ45 ports	10/100BaseT(X) or 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		

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MTBF

MTBF	748,087 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	0.35 A
Overload current protection	Yes	
Reverse polarity protection	Yes	
Supply voltage, max.	48 V DC	
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	7.2 Gbps	MAC table size	8 K
Packet buffer size	1 Mbit		

Technical data

Housing main material	Metal	Protection degree	IP30
Speed	Fast/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		

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

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Technical data

Downloads

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