Data sheet

IE-INJ-EL02-2GTPOE

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
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Germany

www.weidmueller.com



Features of EcoLine Power-over-Ethernet unmanaged switches/injectors

- Variants with 2, 4 or 8 IEEE 802.3af/at compliant PoE ports (up to 30 watt power output per PoE port)
- Integrated DC/DC converter for providing PoE voltage to PDs over the entire PSE input voltage range from 12 to 57 V DC
- Models supporting Gigabit Ethernet including Jumbo Frame support for applications with high demand on bandwidth and latency
- Models with fiber optic ports for communication links over long distances
- 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	PoE Injector, Gigabit Ethernet, Number of ports: 2x RJ45 10/100/1000BaseT(X), 2x RJ45 10/100/1000 BaseT(X) PoE+, IP30, -40 °C...75 °C
Order No.	2682440000
Type	IE-INJ-EL02-2GTPOE
GTIN (EAN)	4050118692273
Qty.	1 items

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Technical data

Approvals

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

Dimensions and weights

Depth	95 mm	Depth (inches)	3.7401 inch
Height	70 mm	Height (inches)	2.7559 inch
Width	41 mm	Width (inches)	1.6142 inch
Net weight	400 g		

Temperatures

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

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c, 7a, 7cI
REACH SVHC	Lead 7439-92-1, Lead monoxide 1317-36-8
SCIP	9229992a-00b9-4096-8962-200a7f33e289

EMC conformity and approvals

Free fall	According to IEC 60068-2-31	EMC standards	EN 55032, EN 55024, 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
Vibration	according to IEC 60068-2-6	Shock	according to IEC 60068-2-27
Safety standard	UL 61010-1, UL 61010-2-201		

Environmental conditions

Operating temperature, max.	75 °C	
Operating temperature, min.	-40 °C	
Humidity	5 to 95 % (non-condensing)	
Storage temperature, max.	85 °C	
Storage temperature, min.	-40 °C	
Operating altitude	Altitude, max.	2000 m
	Note	in acc. with UL
	Altitude, max.	6000 m

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Note	for restrictions, see the manufacturer's declaration for operating altitude in section downloads	

Guarantee

Time interval	5 years

Interfaces

RJ45 ports	10/100/1000BaseT(X), auto negotiation, Full-/half-duplex mode, MDI-X	Number of ports	2x RJ45 10/100/1000BaseT(X), 2x RJ45 10/100/1000 BaseT(X) PoE+
LED indicator	Power LED: PWR, PoE active		

MTBF

MTBF	According to Standard	Telcordia SR-332
	Operating time (hours), min.	3165390 h

Power over Ethernet (PoE)

PoE output power	Standard	IEEE 802.3af
	Output power	15.4 W
	Standard	IEEE 802.3at
	Output power	30 W
PoE output current	Standard	IEEE 802.3af
	Output current	350 mA
	Standard	IEEE 802.3at
	Output current	600 mA
Total PoE power budget	Voltage type	DC
	Voltage, min.	12 V
	Voltage, max.	23.9 V
	Power budget	30 W
	Voltage type	DC
	Voltage, min.	24 V
	Voltage, max.	57 V
	Power budget	60 W
PoE pin assignment	Mode A: Pin 1, 2 (V-); Pin 3, 6 (V+); Alternative A; MDI-X	

Power supply

Reverse polarity protection	Yes	
Supply voltage	12/24/48 V DC, 1 single input	
Overload current protection	Yes	
Connection type	1 removable 4-pin terminal block	
Voltage supply range	Voltage type	DC
	Voltage, min.	12 V
	Voltage, max.	57 V
Current consumption	Voltage	12 V
	Current	3.12 A
	Voltage	24 V
	Current	2.81 A
	Voltage	48 V
	Current	1.3 A

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

Technology

Standard	IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3ab for 1000Base-T, IEEE 802.3at/af for Power-over-Ethernet

Classifications

ETIM 6.0	EC000515	ETIM 7.0	EC003552
ETIM 8.0	EC003552	ETIM 9.0	EC003552
ETIM 10.0	EC003552	ECLASS 9.0	19-17-01-25
ECLASS 9.1	19-17-01-25	ECLASS 10.0	19-17-04-10
ECLASS 11.0	19-17-04-10	ECLASS 12.0	19-17-04-10
ECLASS 13.0	19-17-04-10	ECLASS 14.0	19-17-04-10
ECLASS 15.0	19-17-04-10		

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Accessories

Mounting kit for 19" rack assembly

- For assembling DIN rail-based devices on 19" racks



General ordering data

Type	RM-KIT	Version
Order No.	1241440000	Kit for 19"-rack mounting
GTIN (EAN)	4050118029154	
Qty.	1 ST	