

## IE-INJ-EL02-2GTPOE

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26  
D-32758 Detmold  
Germany

[www.weidmueller.com](http://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.	<a href="#">2682440000</a>
Type	IE-INJ-EL02-2GTPOE
GTIN (EAN)	4050118692273
Qty.	1 items

## IE-INJ-EL02-2GTPOE

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## 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, 7cl
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

**IE-INJ-EL02-2GTPOE**

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

www.weidmueller.com

**Technical data**

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	

**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

**IE-INJ-EL02-2GTPOE**

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

www.weidmueller.com

**Technical data**

**Technical data**

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 8.0	EC003552	ETIM 9.0	EC003552
ETIM 10.0	EC003552	ECLASS 14.0	19-17-04-10
ECLASS 15.0	19-17-04-10		

## IE-INJ-EL02-2GTPOE

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

## Accessories

[www.weidmueller.com](http://www.weidmueller.com)

### Mounting kit for 19" rack assembly

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



### General ordering data

Type	RM-KIT	Version	
Order No.	<a href="#">1241440000</a>	Kit for 19"-rack mounting	
GTIN (EAN)	4050118029154		
Qty.	1 ST		