

# INJ 1000 - Injector

2703005

<https://www.phoenixcontact.com/in/products/2703005>



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PoE injector, 30 W, two RJ45 jacks, 10/100/1000 Mbps, DIN rail mounting, IP20

## Product Description

The midspan injectors connect Ethernet devices without PoE (e.g., switches) to PoE-capable end devices (e.g., IP cameras). As power sourcing equipment (PSE), the injector supplies the required power to a powered device (PD) via the data cable. The injector and end device negotiate the electrical power requirements autonomously.

## Your advantages

- Extended supply voltage range of 18 V DC ... 57 V DC, redundant
- 10/100/1000 Mbps
- Mounting on a DIN rail
- Safe shield connection to ground potential

## Commercial Data

Item number	2703005
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	DNC
Product Key	DNC351
Catalog Page	Page 345 (C-6-2019)
GTIN	4055626462936
Weight per Piece (including packing)	396.6 g
Weight per Piece (excluding packing)	396.6 g
Customs tariff number	85176200
Country of origin	TW

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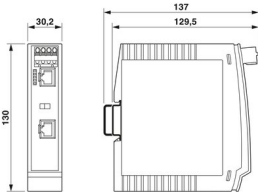
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## Technical Data

### Dimensions

Dimensional drawing	
Width	30.2 mm
Height	130 mm
Depth	120 mm

### Material specifications

Color	gray
Housing material	Plastic

### Mounting

Mounting type	DIN rail mounting
Mounting position	vertical

### Interfaces

Basic functions	PSE/Midspan, compliant with IEEE 802.3af, at
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#### Data: Power over Ethernet

Serial transmission speed	10/100/1000 Mbps
Connection method	RJ45 jack
No. of channels	1
Pin assignment	1:1
Transmission length	100 m (including patch cables)
Output nominal voltage	54 V DC (PoE)
Output power	30 W

#### Data: Ethernet

Connection method	RJ45 CAT5e
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### Product properties

Product type	Injector
MTTF	110 Years (MIL-HDBK-217F standard, temperature 25°C, operating cycle 100%)

### Electrical properties

Maximum power dissipation for nominal condition	33.6 W
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#### Supply

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Supply voltage range	18 V DC ... 57 V DC (Ordinary locations)
	24 V DC ... 48 V DC (Hazardous locations)
Nominal supply voltage	24 V DC
	48 V DC
Max. current consumption	2.1 A
	1.4 A (24 V DC)
	0.7 A (48 V DC)
Power consumption	≤ 36 W
Protective circuit	Reverse polarity protection

## Connection data

### Supply

Conductor cross section flexible, with ferrule without plastic sleeve	0.25 mm² ... 2.5 mm²
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.25 mm² ... 2.5 mm²
Conductor cross section, flexible	0.20 mm² ... 2.50 mm²
Conductor cross section, rigid	0.20 mm² ... 2.50 mm²
Conductor cross section AWG	20 ... 12

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20 (Non-certificated by UL)
Ambient temperature (operation)	0 °C ... 60 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Altitude	≤ 5000 m (For restrictions, see the manufacturer's declaration for altitude operation)
	≤ 2000 m (with UL approval)
Permissible humidity (operation)	10 % ... 95 % (non-condensing)

## Approvals

### CE

Identification	CE-compliant
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### EAC

Identification	EAC
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### UL, USA/Canada

Identification	Class I, Div. 2, Groups A, B, C, D T4
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### Corrosive gas test

Identification	ISA-S71.04-1985 G3 Harsh Group A
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## EMC data

Electromagnetic compatibility	Conformance with EMC Directive 2014/30/EU
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