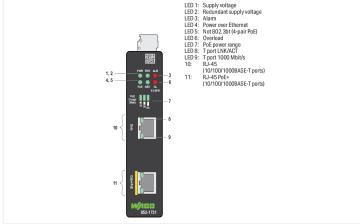
### Data Sheet | Item Number: 852-1731

Industrial PoE Injector; PoE++; 60 watt; 10/100/1000 BASE

https://www.wago.com/852-1731







This device is an industrial PoE injector with two Gigabit ETHERNET ports. An ETHERNET port (IEEE 802.3 af/at/bt/4PPoE) provides power to PoE (Powered over Ethernet) devices with up to 51 W. The power output of the PoE injector (Power Sourcing Equipment) is up to 60 W. Additionally, automatic transmission rate detection (auto-negotiation) and automatic detection of the transmit and receive lines (Auto MDI-X) allow simple plug-and-play operation

Its compact design with a DIN-rail adapter simplifies installation in control cabinets, offering high resistance to temperature, vibration, and shock. The integrated voltage transformer allows operation with the standard 24 VDC supply voltage used in control cabinets. Meaningful status LEDs, a redundant power supply, and an alarm contact configurable via a DIP switch enhance the availability of the PoE injector during operation and ensure easy handling.

## **Typical applications:**

- · Connecting vending machines or camera systems
- Connecting intelligent PoE-capable lighting systems
- Connecting decentralized control cabinets when using a PoE splitter

#### Features:

- · Redundant DC power supply
- Supply voltage range: 24 ... 57 VDC
- DIP switch to set alarm functions
- Full compliance with IEEE 802.3, 802.3u and 802.3ab standards
- Autonegotiation at both 10/100/1000BASE-T ports
- Auto-MDI/MDIX (crossover) at both 10/100/1000BASE-TX ports

Technical data	
Number of 1 Gb/s ports	2
Communication standards	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3ab 1000BASE-T IEEE 802.3af Power over Ethernet (PoE) IEEE 802.3at High Power over Ethernet (PoE+) IEEE 802.3bt 4-pair PoE
Supply voltage	24 57 VDC
Power consumption (max.)	90 W
Current consumption (max.)	4000 mA
Transmission rate	Copper cable: 100/1000 Mbit/s
Transmission medium (communication/fieldbus)	Copper cable: Cat. 5e or 6a , 100 m maximum cable length
Indicators	Device: LED (PWR, RPS, PoE, NBT) green: Supply voltage (primary), redundant supply voltage (secondary), Power over Ethernet, mode; LED (ALM, OL 63-66 W) red: Alarm, Overload; LED (PoE Usage (Watt)) green: 15, 30, 60 Watt; per port: LED green: Status 1000 Mbit/s, LNK/ACT port

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#### Connection data

Connection technology: communication/fieldbus Copper cable: 2 x RJ-45

Connection technology: supply 1 x Built-in male connector: 231-436/001-000; included female connector (MCS

Connectors): 2231-106/026-000

## Physical data

 Width
 25 mm / 0.98 inches

 Height
 116 mm / 4.57 inches

 Depth
 100 mm / 3.93 inches

#### Mechanical data

 Weight
 242.8 g

 Housing material
 Aluminum

 Conformity marking
 CE

#### **Environmental requirements**

-40 ... +75 °C Ambient temperature (operation) Ambient temperature (storage) -40 ... +80 °C Protection type IP30 Relative humidity (without condensation) 95 % Mounting type DIN-35 rail Vibration resistance per IEC 60068-2-6 per IEC 60068-2-27 Shock resistance Per EN IEC 61000-6-2 EMC immunity to interference Per EN IEC 61000-6-4 EMC emission of interference Fire load 0 MJ

### Commercial data

 PU (SPU)
 1 pcs

 Packaging type
 Box

 Country of origin
 TW

 GTIN
 406696512014

 Customs tariff number
 85176200000

#### **Product classification**

 UNSPSC
 39121006

 ETIM 9.0
 EC003552

 ECCN
 NO US CLASSIFICATION

#### **Environmental Product Compliance**

RoHS Compliance Status Compliant,No Exemption

# Data Sheet | Item Number: 852-1731

https://www.wago.com/852-1731



# Approvals / Certificates

# General approvals



Approval	Standard	Certificate Name
KC National Radio Research Agency	Article 58-2, Clause 3	MSIP-REM-W43-ISW852
UL Underwriters Laboratories Inc. (ORDINARY LOCATI-	UL 61010-2-201	E175199

## Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
SDoC for FCC WAGO GmbH & Co. KG	-	-
UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-

## Downloads

ONS)

## **Environmental Product Compliance**

### Compliance Search

**Environmental Product** Compliance 852-1731



### Documentation

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Product Manual Industrial PoE Injector

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Subject to changes. Please also observe the further product documentation!