# SD FLASH 512MB MODULAR MUX - Multiplexer

2701872

https://www.phoenixcontact.com/us/products/2701872

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Two of these SD cards, with two ILC 131 ETHs and the individually required input and output terminals, form a multiplexer system that requires no programming. Easy configuration via a small number of wire jumpers. Wireless, Ethernet cable or network connection.

## Product description

The basic function of the SD FLASH 512MB MODULAR MUX is for those who wish to utilize the advantages of a flexible multiplexer solution without having to program controllers. To enable this, the minimum configuration with just a few wire jumpers is used. Standard components (2 x ILC 131 ETH; 2 x SD FLASH 512MB MODULAR MUX) are used for this, plus the necessary input and output terminals. Communication between the two multiplexer components (ILC 131 ETH) is then established fully automatically via an Ethernet cable or a transparent wireless transmission.

It is also possible to incorporate both multiplexers into one Ethernet. The required Ethernet configuration is implemented via the web interface of the ILC 131 ETH. This is easily done using a PC and a standard browser.

## Note: Always perform the safety-related startup inhibit outside of the MODULAR MUX system using safety-related parts of the controller. When doing so, observe the relevant basic and proven safety principles

The following standard components are required:

2 x ILC 131 ETH (Item No. 2700973)
2 x SD FLASH 512MB MODULAR MUX (Item No. 2701872)

An Ethernet cable (wired communication) is required to connect the two systems.
The specified number of input and output terminals from the Inline Modular range from Phoenix Contact (marked with logo, see below) is also required.

All wireless systems that can transmit TCT/IP data transparently can be used to connect the ILC 131 ETH to a multiplexer system.
The following Phoenix Contact wireless products are suitable for this:

1 x FL BT EPA 2 (Item No. 1005869)
2 x FL EPA 2 (Item No. 1005955)
as well as WLAN Ethernet components in the FL WLAN 24 XX 802-11 series

## Your advantages

- License key for application program

- For storing application programs and other files in the file system of the PLC

- Program and configuration memory, plug-in, with license key for function block libraries.

## Commercial data

| Item number | 2701872 |
| --- | --- |
| Packing unit | 1 pc |

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| | |
|---|---|
| Minimum order quantity | 1 pc |
| Sales key | DR10 |
| Product key | DRAAZA |
| Catalog page | Page 55 (C-6-2019) |
| GTIN | 4046356868686 |
| Weight per piece (including packing) | 9.2 g |
| Weight per piece (excluding packing) | 8.5 g |
| Customs tariff number | 85235190 |
| Country of origin | DE |

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## Technical data

### Product properties

| | |
|---|---|
| Product type | Storage medium |
| Mounting position | vertical |
| Application | Multiplexer system |

### Electrical properties

| | |
|---|---|
| Maximum power dissipation for nominal condition | 0.165 W |

Supply

| | |
|---|---|
| Supply voltage | 3.3 V DC |
| Supply voltage range | 2.7 V DC ... 3.6 V DC |
| Typical current consumption | typ. 50 mA |

### Material specifications

| | |
|---|---|
| Housing material | Plastic |

### Environmental and real-life conditions

Ambient conditions

| | |
|---|---|
| Ambient temperature (operation) | -40 °C ... 85 °C |

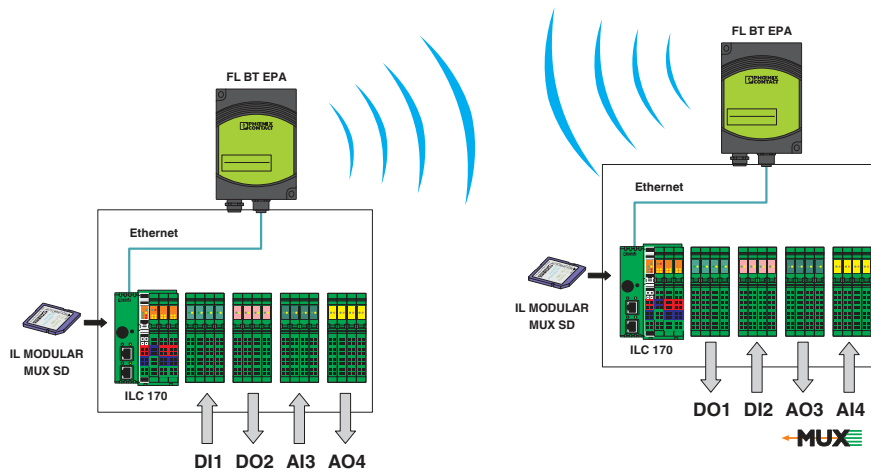### Mounting

| | |
|---|---|
| Mounting position | vertical |

# SD FLASH 512MB MODULAR MUX - Multiplexer

## Drawings

Application drawing



The software on the SD FLASH 512MB MODULAR MUX CompactFlash® card transforms the ILC 131 ETH and the individual input and output terminals required into a flexible field multiplexer. As a wireless connection or as a point-to-point connection in an Ethernet network.

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## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-11.0 | 27242212 |
| ECLASS-12.0 | 27242212 |
| ECLASS-13.0 | 27242212 |

### ETIM

| | |
|---|---|
| ETIM 8.0 | EC000192 |

### UNSPSC

| | |
|---|---|
| UNSPSC 21.0 | 32101600 |

## Environmental product compliance

| China RoHS | Environmentally Friendly Use Period = 50 years |
| --- | --- |
| | For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads" |

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## Mandatory accessories

### ILC 131 ETH - Controller

2700973

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The Inline controller offers the option of communicating via PROFINET and Modbus/TCP. Programming is carried out using PC Worx Express or PC Worx (IEC 61131-3).

## Accessories

### ILC 131 ETH - Controller

2700973

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