# CUC-V14-F1ZNI-EM/R4F8 - Panel-mount frame

1413961

https://www.phoenixcontact.com/us/products/1413961

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IDC



RJ45 panel mounting frame, IP67, for push-pull interlocking, metal, for rectangular mounting cutout, with seal and mounting screws, incl. RJ45 insert with IDC cable connection

## Commercial data

| | |
|---|---|
| Item number | 1413961 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB17 |
| Product key | ABNODB |
| GTIN | 4055626082196 |
| Weight per piece (including packing) | 46.2 g |
| Weight per piece (excluding packing) | 40.211 g |
| Customs tariff number | 85366990 |
| Country of origin | PL |

## Technical data

### Notes

| | |
|---|---|
| General | This product corresponds to the PROFINET Cabling and Interconnection Technology Guideline for PROFINET regulations, version 2.00, order no: 2.252, Chapter 8.2 Connectors for Outside Environment (Balanced cabling) and chapter 13 Application specific Cabling and Interconnection Technology (AIDA) |

### Product properties

| | |
|---|---|
| Product type | Panel-mount frame |
| Type | RJ45 |
| Number of positions | 8 |
| Connection profile | RJ45 |
| Number of slots | 1 |

Insulation characteristics

| | |
|---|---|
| Degree of pollution | 2 |

### Electrical properties

| | |
|---|---|
| Rated voltage (III/3) | 72 V (DC) |
| Rated surge voltage | 1 kV |
| Operating voltage | 72 V (DC) |
| Frequency range | 500 MHz |
| Insulation resistance | > 500 MΩ (100 V DC) |
| Transmission medium | Copper |
| Transmission speed | 10 Gbps |

### Connection data

Connection technology

| | |
|---|---|
| Connection method | IDC connection |

### Dimensions

| | |
|---|---|
| Width | 22.2 mm |
| Height | 42 mm |
| Length | 51 mm |

### Material specifications

| | |
|---|---|
| Material | Metal |
| Flammability rating according to UL 94 | V0 |
| Seal material | NBR |
| Seal material, pin connector pattern | NBR |
| Housing material | Metal |
| Housing surface material | nickel-plated |

| | |
|---|---|
| Material, protective cover | PC |

## Cable/line

| | |
|---|---|
| Shielded | yes |
| Signal type/category | Ethernet $CAT6_A$, 10 Gbps |
| External cable diameter | 4.5 mm ... 9 mm |
| Wire diameter | 0.4 mm ... 0.65 mm |
| Wire diameter including insulation | 0.8 mm ... 1.6 mm |

## Mechanical properties

### Mechanical data

| | |
|---|---|
| Insertion/withdrawal cycles | ≥ 750 |

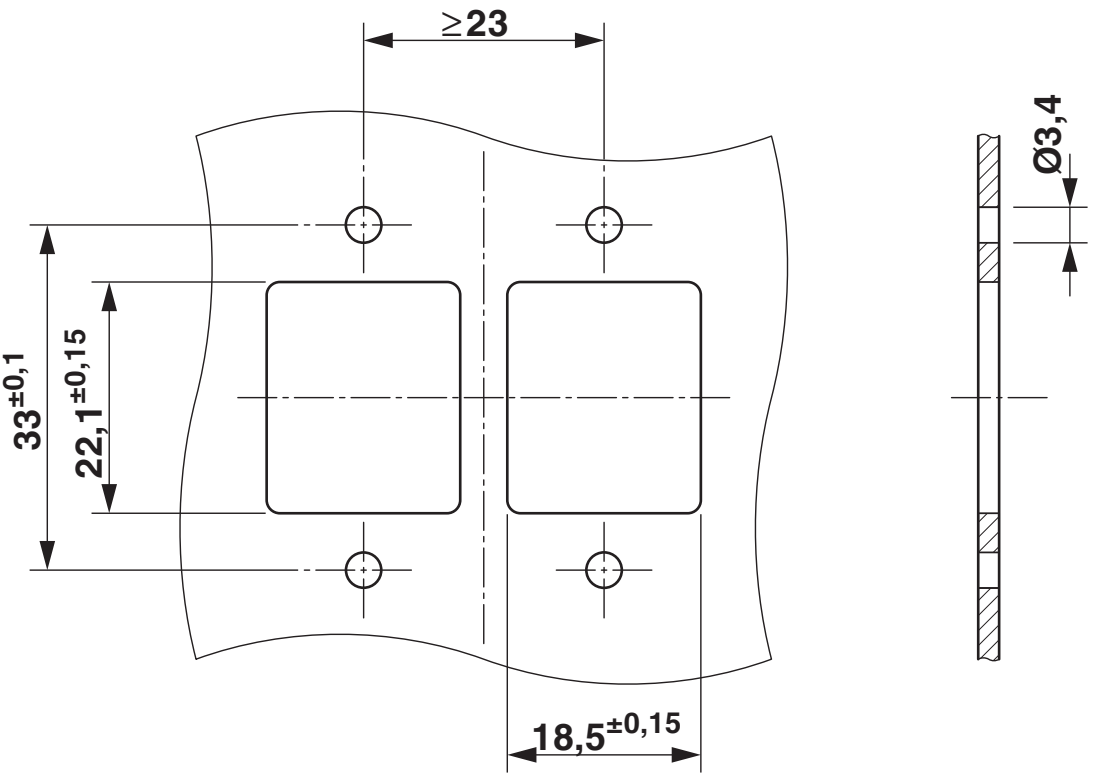
## Environmental and real-life conditions

### Ambient conditions

| | |
|---|---|
| Degree of protection | IP65/IP67 |
| Ambient temperature (operation) | -10 °C ... 60 °C |
| Ambient temperature (storage/transport) | -40 °C ... 70 °C |
| Ambient temperature (assembly) | -5 °C ... 55 °C |

## Drawings

Drilling plan/solder pad geometry



## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1413961

**cULus Recognized**
Approval ID: E335024-20160727

| | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|---|---|---|---|---|
| keine | | | | |
| | 56.5 V | 0.175 A | - | - |

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27440210 |
| ECLASS-15.0 | 27440210 |

### ETIM

| | |
|---|---|
| ETIM 10.0 | EC002310 |

### UNSPSC

| | |
|---|---|
| UNSPSC 21.0 | 39121400 |

## Environmental product compliance

EU RoHS

| | |
|---|---|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |

China RoHS

| | |
|---|---|
| Environment friendly use period (EFUP) | EFUP-E |
| | No hazardous substances above the limits |

EU REACH SVHC

| | |
|---|---|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |

EF3.1 Climate Change

| | |
|---|---|
| CO2e kg | 7.556 kg CO2e |


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