# FLKM-PA-D37/HW/DIO/C300 - Front adapter

2901423

https://www.phoenixcontact.com/us/products/2901423

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VARIOFACE front adapter, for Honeywell C300, Series C I/O, maximum of 1x 16 channels can be connected (37-pos. D-SUB connector). Specifically for connecting digital, redundant I/O cards.

## Your advantages

- Specifically for redundant digital I/O cards
- Connection of a maximum of 16 digital channels
- Preassembled system cables are connected directly to I/O modules using the front adapters
- Front adapter with D-SUB connector

## Commercial data

| | |
|---|---|
| Item number | 2901423 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | C421 |
| Product key | DK231H |
| GTIN | 4046356592192 |
| Weight per piece (including packing) | 93 g |
| Weight per piece (excluding packing) | 95.5 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

# Technical data

## Product properties

| | |
|---|---|
| Product type | Front adapter |
| Product family | VARIOFACE |

Insulation characteristics: Air clearances and creepage distances

| | |
|---|---|
| Insulation | Functional insulation |
| Overvoltage category | II |
| Pollution degree | 2 |

## Electrical properties

| | |
|---|---|
| Operating voltage (AC) | ≤ 30 V AC |
| Operating voltage (DC) | ≤ 60 V DC |
| Current (per branch) | ≤ 2 A |

Air clearances and creepage distances

| | |
|---|---|
| Rated insulation voltage | 63 V |
| Rated surge voltage | 0.6 kV (1.2/50 µs) |

Supported controller: HONEYWELL Experion PKS C300/C-Series

| | |
|---|---|
| Suitable I/O card | TDIL01 (non-redundant) |
| | TDIL11 (redundant) |
| | TDIL51 (non-redundant) |
| | TDIL61 (redundant) |
| | TDI110 (non-redundant) |
| | TDI120 (redundant) |
| | TDOB01 (non-redundant) |
| | TDOB11 (redundant) |
| | TDOB51 (non-redundant) |
| | TDOB61 (redundant) |
| | TAID01 (non-redundant) |
| | TAID11 (redundant) |
| | TAOX01 (non-redundant) |
| | TAOX11 (redundant) |
| | TAOX51 (non-redundant) |
| | TAOX61 (redundant) |
| | TAON01 (non-redundant) |
| | TAON11 (redundant) |

## Connection data

Connection 1 (control level)

| | |
|---|---|
| Connection method | Plug-in connection |
| Number of connections | 2 |

| | |
|---|---|
| Number of positions | 16 |
| Pitch | 5.08 mm |

Connection 2 (field level)

| | |
|---|---|
| Connection in acc. with standard | IEC 60807-2 |
| Connection method | D-SUB pin strip |
| Screw thread | UNC 4-40 |
| Number of connections | 1 |
| Number of positions | 37 |
| Insertion/withdrawal cycles | > 500 |
| Pitch | 2.77 mm |

Connection 3 (shield)

| | |
|---|---|
| Connection method | Spade connection |
| Number of positions | 1 |
| Note | 2,8 x 0,8 |

## Dimensions

Item dimensions

| | |
|---|---|
| Width | 93.8 mm |
| Height | 28 mm |
| Depth | 46.74 mm |

## Environmental and real-life conditions

Ambient conditions

| | |
|---|---|
| Degree of protection (Module) | IP00 |
| Degree of protection (Installation location) | ≥ IP54 |
| Ambient temperature (operation) | -20 °C ... 70 °C |
| Ambient temperature (storage/transport) | -20 °C ... 70 °C |
| Altitude | ≤ 2000 m |

## Standards and regulations

Air clearances and creepage distances

| | |
|---|---|
| Standards/regulations | EN IEC 60664-1 |

## Mounting

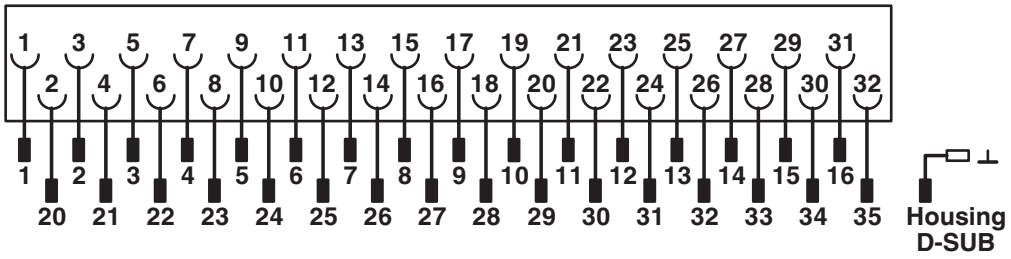
| | |
|---|---|
| Mounting type | Plug-in mounting |
| Mounting position | any |

## Notes

| | |
|---|---|
| Notes on operation | For proper use, the specifications of the installation directive (see Downloads) must be observed. For applications or use with third-party products, the specifications, and the safety and warning instructions of the respective third-party manufacturer must also be met. |

## Drawings

Circuit diagram




Connection scheme: FLKM-PA-D37/HW/DIO/C300

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27242292 |
| ECLASS-15.0 | 27242292 |

### ETIM

| | |
|---|---|
| ETIM 10.0 | EC002584 |

### UNSPSC

| | |
|---|---|
| UNSPSC 21.0 | 32151600 |

## 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% |


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