

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



2322029

<https://www.phoenixcontact.com/us/products/2322029>

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VARIOFACE front adapters, for Honeywell C300, series C I/O, max. 1x 16 channels (37-pos. D-SUB connector) can be connected

## Your advantages

- Preassembled system cables are connected directly to I/O modules using the front adapters
- Not for redundant digital I/O cards
- Connection of a maximum of 16 digital channels
- Front adapter with D-SUB connector
- Terminal blocks for power supply

## Commercial data

Item number	2322029
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C421
Product key	DK231H
GTIN	4046356448253
Weight per piece (including packing)	100.7 g
Weight per piece (excluding packing)	100 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)	≤ 1 A
Current (Per connection, separate power supply)	≤ 4 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)
	TDOB01 (non-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 (supply)

Connection method	Push-in spring connection
Stripping length	10 mm
Number of positions	3

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Conductor cross-section rigid	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross-section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
	0.25 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> (Ferrule without plastic sleeve)
	0.25 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> (Ferrule with plastic sleeve)
Conductor cross-section AWG	24 ... 12
Pitch	5 mm

## Dimensions

### Item dimensions

Width	93.8 mm
Height	43.5 mm
Depth	48.3 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
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## 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.
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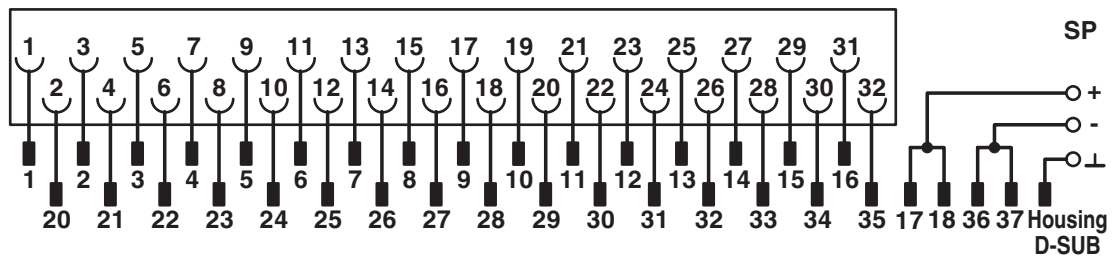


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## Drawings

### Circuit diagram



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

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## Approvals

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 <b>cUL Recognized</b> Approval ID: E238705				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	125 V	1 A	30 - 12	-

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## Classifications

### ECLASS

ECLASS-13.0	27242292
ECLASS-15.0	27242292

### ETIM

ETIM 10.0	EC002584
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### UNSPSC

UNSPSC 21.0	32151600
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### 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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