

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



2322029

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

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



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

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



2322029

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

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
-----------------------	----------------

## 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.
--------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

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

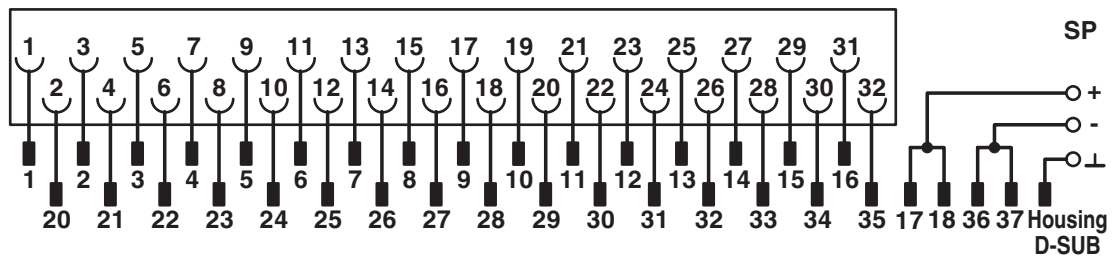


2322029

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

## Drawings

### Circuit diagram



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

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





2322029

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

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2322029>

 <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	-

 <b>UL 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	-

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



2322029

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

## Classifications

### ECLASS

ECLASS-13.0	27242292
ECLASS-15.0	27242292

### ETIM

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

### UNSPSC

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

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



2322029

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

## 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%
-------------------------------------	----------------------------

Phoenix Contact 2026 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)