

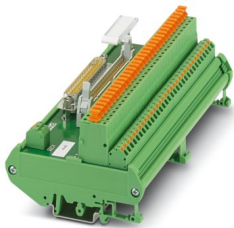
# UM- D37SUB/M/HC3/AIO/FMT - Termination board



2900189

<https://www.phoenixcontact.com/us/products/2900189>

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16-channel module for Honeywell C300 modules. The module is controlled by the control system via 37-pos. D-SUB or 50-pos. FLK. A spring-cage connection (1+, 1-,...16+,16-) with knife disconnection is provided in the field. Module width: 254 mm

## Commercial data

Item number	2900189
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	DK218H
GTIN	4046356495981
Weight per piece (including packing)	330.7 g
Weight per piece (excluding packing)	330 g
Country of origin	DE

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## Technical data

### Product properties

Product type	Interface module
No. of channels	16
Operating mode	100% operating factor

### Insulation characteristics: Air clearances and creepage distances

Insulation	Functional insulation
Overvoltage category	II
Pollution degree	2

### Electrical properties

Operating voltage (DC)	30 V DC
Current (per branch)	≤ 0.1 A

### Air clearances and creepage distances

Rated insulation voltage	50 V DC
Rated surge voltage	0.5 kV (1.2/50 µs)

### Supported controller: HONEYWELL Experion PKS C300/C-Series

Suitable I/O card	TDIL01 (non-redundant)
	TDIL11 (redundant)
	TDOB01 (non-redundant)
	TDOB11 (redundant)
	TAIX01 (non-redundant)
	TAIX11 (redundant)
	TAOX01 (non-redundant)
	TAOX11 (redundant)

### Connection data

#### Connection 1 (control 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 2 (control level)

Connection in acc. with standard	IEC 60603-13
Connection method	IDC/FLK pin strip
Number of connections	1
Number of positions	50

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Insertion/withdrawal cycles	> 50
Pitch	2.54 mm

## Connection 3 (field level)

Connection method	Push-in spring connection
Stripping length	10 mm
Number of positions	34
Conductor cross-section rigid	0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross-section flexible	0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
	0.25 mm <sup>2</sup> ... 1.5 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 ... 16
Pitch	5.08 mm

## Connection 4 (field level)

Connection method	PCB terminal block
Type	PCB isolating plugs
Number of positions	32
Pitch	5.08 mm

## Connection 4 (supply)

Connection method	Push-in connection
Stripping length	8 mm
Number of positions	2
Conductor cross-section rigid	0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross-section flexible	0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross-section AWG	24 ... 16

## Signaling

Status display present	no
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## Dimensions

### Item dimensions

Width	168.3 mm
Height	89.6 mm
Depth	65.6 mm

## Environmental and real-life conditions

### Ambient conditions

Degree of protection (Module)	IP00
Degree of protection (Installation location)	≥ IP54
Ambient temperature (operation)	-20 °C ... 50 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C
Altitude	≤ 2000 m

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## Approvals

### UKCA

Certificate	UKCA-compliant
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## Standards and regulations

### Air clearances and creepage distances

Standards/regulations	EN IEC 60664-1
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## Mounting

Mounting type	DIN rail 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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## Classifications

### ECLASS

ECLASS-13.0	27141152
ECLASS-15.0	27141152

### ETIM

ETIM 9.0	EC002780
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### UNSPSC

UNSPSC 21.0	39121400
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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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Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)