

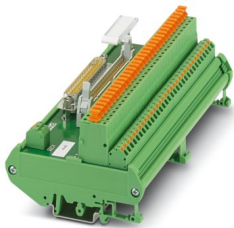
UM- D37SUB/M/HC3/AIO/FMT - Termination board



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 ² ... 1.5 mm ²
Conductor cross-section flexible	0.2 mm ² ... 1.5 mm ²
	0.25 mm ² ... 1.5 mm ² (Ferrule without plastic sleeve)
	0.25 mm ² ... 1.5 mm ² (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 ² ... 1.5 mm ²
Conductor cross-section flexible	0.2 mm ² ... 1.5 mm ²
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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