

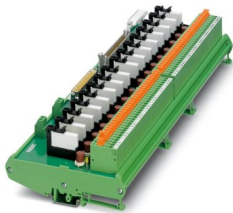
# UM- D37SUB/M/HC3/16DI/MR/SI/MT - Active module



2900066

<https://www.phoenixcontact.com/us/products/2900066>

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16-channel relay module for Honeywell C300 input modules. The module is controlled by the control system via 37-pos. D-SUB or 50-pos. FLK. A screw connection with knife disconnection is available in the field. Module width: 343 mm

## Commercial data

Item number	2900066
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C421
Product key	DK2A8H
GTIN	4046356362795
Weight per piece (including packing)	1.08 kg
Weight per piece (excluding packing)	1 kg
Customs tariff number	85371098
Country of origin	DE

## Technical data

### Product properties

Product type	Interface module
No. of channels	16
Operating mode	100% operating factor
Mechanical service life	approx. $2 \times 10^7$ cycles

### Insulation characteristics: Air clearances and creepage distances

Insulation	Functional insulation
Overvoltage category	II
Pollution degree	2

### Electrical properties

#### Air clearances and creepage distances

Rated insulation voltage	63 V
Rated surge voltage	0.6 kV (1.2/50 $\mu$ s)

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

Suitable I/O card	TDIL01 (non-redundant)
	TDIL11 (redundant)
	TDIL51 (non-redundant)

### Input data

Nominal input voltage $U_N$	48 V DC
Input voltage range in reference to $U_N$	0.85 ... 1.1
Input voltage range	40.8 V DC ... 52.8 V DC
Typical input current at $U_N$	6.5 mA
Typical response time	5 ms
Typical release time	7 ms
Protective circuit	Fuse
	Freewheeling diode
	Reverse polarity protection
Status display/channel	Yellow LED

### Output data

#### Switching

Contact switching type	1 N/O contact
Type of switch contact	Single contact
Contact material	Ag alloy, hard gold-plated
Maximum switching voltage	36 V DC (60 V DC with damaged gold coating)
Minimum switching voltage	100 mV (12 V DC with damaged gold coating)
Limiting continuous current	50 mA (500 mA with damaged gold coating)

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Min. switching current	1 mA (10 mA with damaged gold coating)
Interrupting rating (ohmic load) max.	1.2 W (at 24 V DC)

## Connection data

### Controller level

Connection method	D-SUB pin strip
Number of connections	1
Number of positions	37

### Field level

Connection method	Screw connection with disconnect knife
Stripping length	8 mm
Screw thread	M3
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>
Conductor cross-section AWG	24 ... 12

### Control side

Connection method	Flat-ribbon cable connector in acc. with IEC 60603-13
Number of connections	1
Number of positions	50

## Signaling

Status display present	yes
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## Dimensions

Width	344 mm
Height	126 mm
Depth	66 mm

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP00
Degree of protection (Installation location)	≥ IP54 (Installation location)
Ambient temperature (operation)	-15 °C ... 50 °C
Ambient temperature (storage/transport)	-15 °C ... 50 °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	DIN rail mounting
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Assembly note	in rows with zero spacing
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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## Approvals

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**EAC**

Approval ID: RU\*DE\*08.B.01841/19

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## Classifications

### ECLASS

ECLASS-13.0	27141152
ECLASS-15.0	27141152

### ETIM

ETIM 10.0	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
Exemption	6(c), 7(a), 7(c)-I

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	6a902f2e-bd33-4ea4-a796-6adad81b93f9

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