

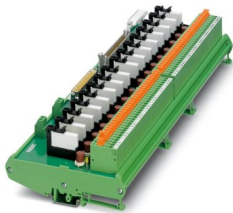
# UM-D37SUB/M/16REL/24/DI/SI/MT - Active module



2900990

<https://www.phoenixcontact.com/us/products/2900990>

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16-channel relay module for Honeywell C300 TDIL 01 input modules. On the control side, the module is controlled via 37-pos. D-SUB or 50-pos. FLK. A screw connection with knife disconnection is available on the field side. Module width: 343 mm

## Commercial data

Item number	2900990
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	DK2A82
GTIN	4046356555388
Weight per piece (including packing)	1.086 kg
Weight per piece (excluding packing)	1.086 kg
Country of origin	DE

## Technical data

### 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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### Product properties

Product type	Relay Module
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)
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### Input data

Nominal input voltage $U_N$	24 V DC
Input voltage range in reference to $U_N$	0.9 ... 1.1
Input voltage range	21.6 V DC ... 26.4 V DC
Typical input current at $U_N$	7.7 mA
Protective circuit	Damping diode, polarity protection; Damping diode, polarity protection diode Freewheeling diode Reverse polarity protection
Status display/channel	Yellow LED

### Output data

#### Switching

Contact switching type	Single contact, 1 N/O 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 (5 V DC with damaged gold coating)
Limiting continuous current	50 mA (500 mA with damaged gold coating)
Min. switching current	1 mA (10 mA with damaged gold coating)

Interrupting rating (ohmic load) max.	1.2 W (at 24 V DC)
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## Connection data

### Field level

Connection method	Screw connection with disconnect knife
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

### Power supply

Connection method	Screw connection
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

### Controller level

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

### Controller level

Connection in acc. with standard	IEC 60603-13
Connection method	IDC/FLK pin strip
Number of connections	1
Number of positions	50
Pitch	2.54 mm

## 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
Altitude	≤ 2000 m

## Standards and regulations

### Air clearances and creepage distances

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Standards/regulations	DIN EN 50178: 1998-04
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## Mounting

Mounting type	DIN rail mounting
Assembly note	in rows with zero spacing
Mounting position	any

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