

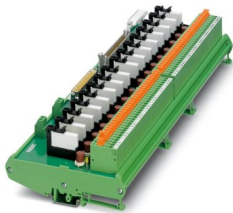
UM-D37SUB/M/16REL/24/DI/SI/MT - Active module



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. 2×10^7 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 μ 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 ² ... 4 mm ²
Conductor cross-section flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross-section AWG	24 ... 12

Power supply

Connection method	Screw connection
Conductor cross-section rigid	0.2 mm ² ... 4 mm ²
Conductor cross-section flexible	0.2 mm ² ... 2.5 mm ²
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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