

# UM-D37SUB/M/HC3/16DO/MR/1/SI-L - Active module



2904105

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16-channel relay module for Honeywell C300 output modules TDOB01 and TBOB11. On the controller side, the module is controlled on a 37-pos. basis via D-SUB. A screw connection is available (marking: 48...1) on the field side. Module width: 142 mm

## Commercial data

Item number	2904105
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	DK219H
GTIN	4046356783637
Weight per piece (including packing)	570 g
Weight per piece (excluding packing)	570 g
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

Insulation	Basic insulation
Overvoltage category	III
Pollution degree	2

### Electrical properties

Rated insulation voltage	260 V AC
Rated surge voltage	4 kV (Safe isolation, reinforced insulation, and 6 kV between input circuit and output contact current paths)

Supported controller: HONEYWELL Experion PKS C300/C-Series

Suitable I/O card	TDOB01 (non-redundant)
	TDOB11 (redundant)

### 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 $U_N$	9 mA
Typical response time	5 ms
Typical release time	7 ms
Status display/channel	Yellow LED

### Output data

#### Switching

Contact switching type	1 changeover contact
Type of switch contact	Single contact
Contact material	AgSnO
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	5 V (at 100 mA)
Limiting continuous current	2 A (see derating curve)
Min. switching current	100 mA
Interrupting rating (ohmic load) max.	48 W (24 V DC)
	20 W (48 V DC)
	18 W (60 V DC)
	23 W (110 V DC)

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	40 W (220 V DC)
	500 VA (250 V AC)

## Connection data

### Controller level

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

### Field level

Connection method	Screw connection
Screw thread	M3
Number of connections	1
Number of positions	50
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

## Signaling

Status display present	yes
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## Dimensions

Width	142 mm
Height	142.5 mm
Depth	66 mm

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP00
Ambient temperature (operation)	-20 °C ... 70 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C

## Standards and regulations

Standards/regulations	DIN EN 50178
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## Mounting

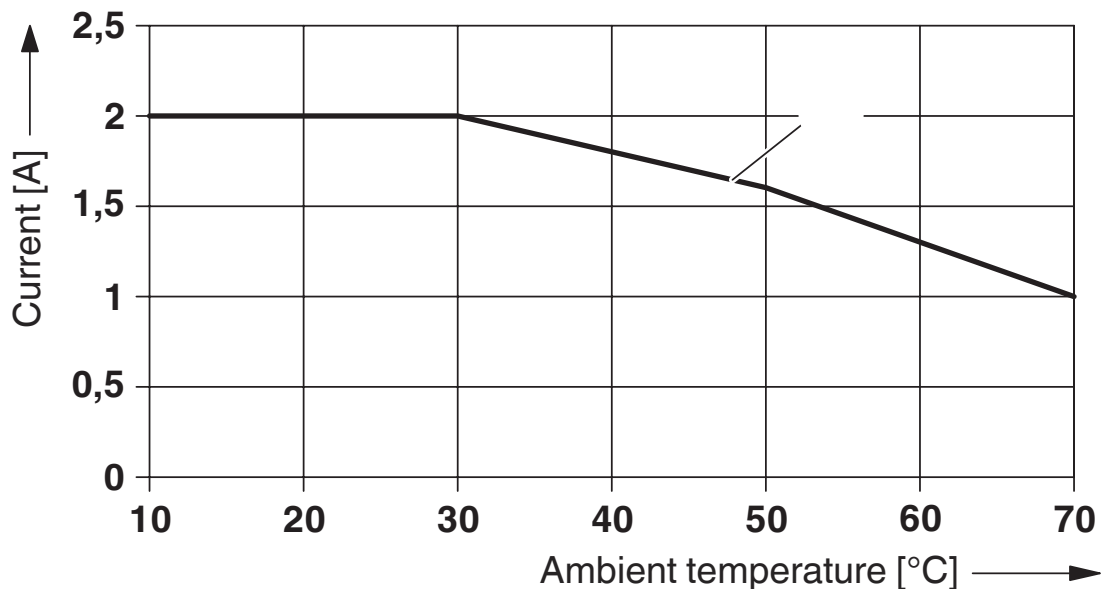
Mounting type	DIN rail mounting
Assembly note	in rows with zero spacing
Mounting position	any

## 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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Drawings

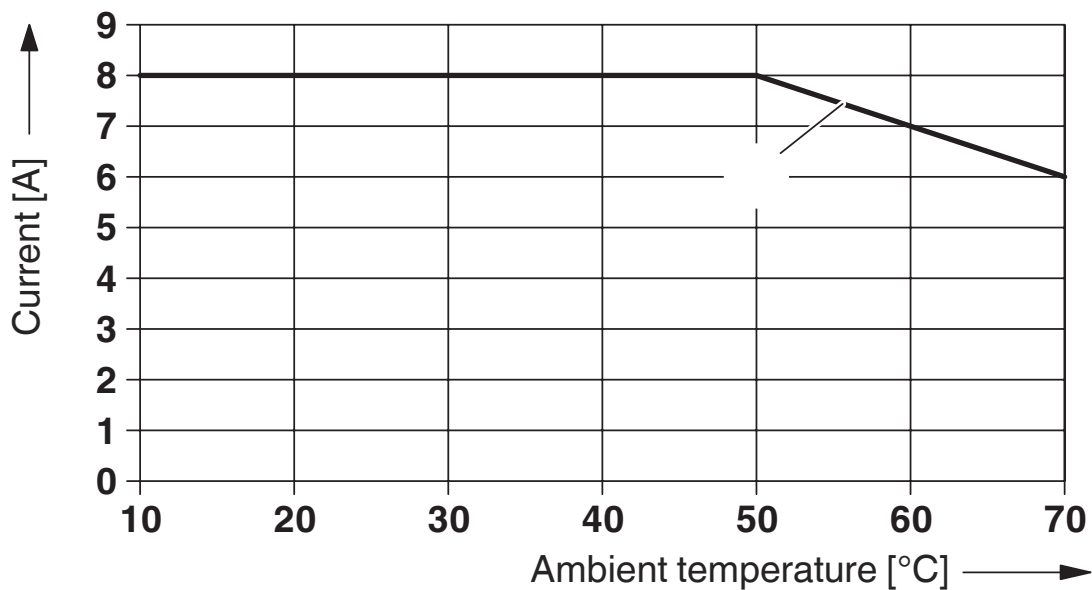
Diagram



Max. continuous current [A]

Derating curve: max. continuous current (per path)

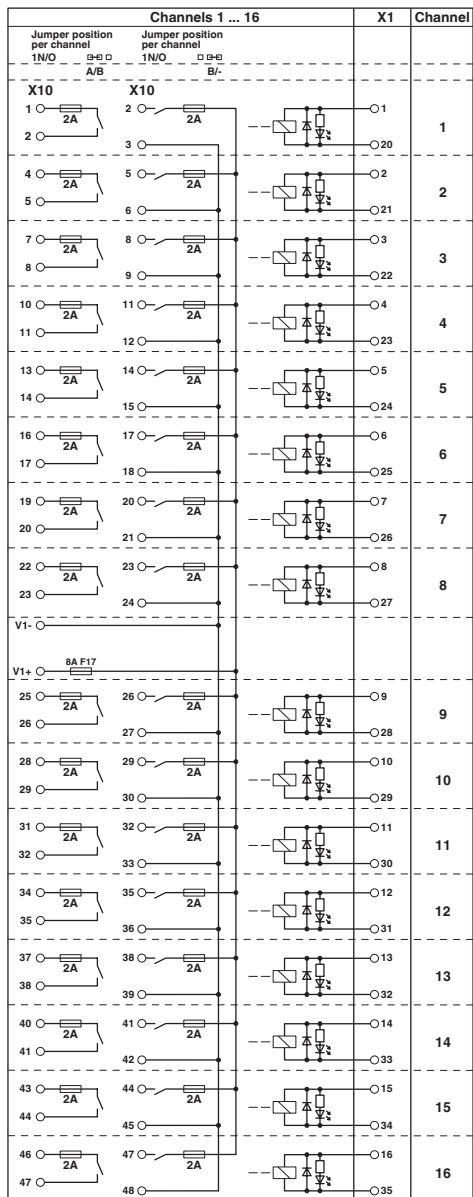
Diagram



Max. continuous current [A]

Derating curve: max. continuous current (terminal block supply)

Circuit diagram



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## Classifications

### UNSPSC

UNSPSC 21.0	39121432
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

### 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)
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