

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



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 362795
GTIN	4046356362795

### Technical data

#### Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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#### Dimensions

Width	344 mm
Height	126 mm
Depth	66 mm

#### Ambient conditions

Ambient temperature (operation)	-15 °C ... 50 °C
Ambient temperature (storage/transport)	-15 °C ... 50 °C
Maximum altitude	≤ 2000 m
Degree of protection	IP00
	≥ IP54 (Installation location)

#### Input data

Nominal input voltage $U_N$	48 V DC
Input voltage range in reference to $U_N$	0.85 ... 1.1
Typical input current at $U_N$	6.5 mA

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## Technical data

### Input data

Typical response time	5 ms
Typical release time	7 ms
Protective circuit/component	Fuse
	Damping diode
	Reverse polarity protection
Status display/channel	Yellow LED

### Output data

Contact type	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 (12 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)

### General

No. of channels	16
Mechanical service life	approx. $2 \times 10^7$ cycles
Operating mode	100% operating factor
Mounting position	any
Assembly instructions	In rows with zero spacing

### Connection data

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

### Connection data 2

Connection name	Field level
Connection method	Screw connection with disconnect knife
Stripping length	8 mm
Screw thread	M3
Conductor cross section solid	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

### Connection data 3

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

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### Technical data

#### Supported controller

Controller	HONEYWELL Experion PKS C300/C-Series
- suitable I/O card	TDIL01 (non-redundant)
	TDIL11 (redundant)
	TDIL51 (non-redundant)

#### Standards and Regulations

Designation	Air clearances and creepage distances
Standards/regulations	DIN EN 50178: 1998-04
Rated insulation voltage	63 V
Rated surge voltage	0.6 kV (1.2/50 µs)
Insulation	Functional insulation
Pollution degree	2
Overvoltage category	II

#### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

### Classifications

#### eCl@ss

eCl@ss 10.0.1	27141152
eCl@ss 4.0	27250300
eCl@ss 4.1	27250300
eCl@ss 5.0	27250300
eCl@ss 5.1	27250300
eCl@ss 6.0	27242600
eCl@ss 7.0	27141152
eCl@ss 8.0	27141152
eCl@ss 9.0	27141152

#### ETIM

ETIM 5.0	EC002780
ETIM 6.0	EC002780
ETIM 7.0	EC002780

#### UNSPSC

UNSPSC 6.01	30211824
UNSPSC 7.0901	39121421
UNSPSC 11	39121421

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## Classifications

### UNSPSC

UNSPSC 12.01	39121421
UNSPSC 13.2	39121432
UNSPSC 18.0	39121432
UNSPSC 19.0	39121432
UNSPSC 20.0	39121432
UNSPSC 21.0	39121432

## Approvals

### Approvals

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Approvals

EAC

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Ex Approvals

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### Approval details

EAC		RU*DE*08.B.01841/19
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## Accessories

### Accessories

#### Fuse

Fuse set - VF-SI/TR5/0,05AT - 2900999



Fuse set, number: 8 Pcs., fuse type: Fuse (TR5), nominal current: 0.05 A, tripping characteristic: slow-blow (T)

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