

Active module - UM- D37SUB/M/HC3/16DO/MR/MT - 2900068

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16-channel relay module (1 changeover contact) for Honeywell C300 output modules. On the control side, the module is controlled via D-SUB 37-pos. or FLK 50-pos. A screw connection with knife disconnection is available on the field side.

RoHS

Key Commercial Data

| | |
|--------------------------------------|--------------------------------|
| Packing unit | 1 pc |
| GTIN | |
| GTIN | 4046356363518 |
| Weight per Piece (excluding packing) | 798.000 g |
| Custom tariff number | 85369010 |
| Country of origin | Germany |
| Note | Made to Order (non-returnable) |

Technical data

Note

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

Dimensions

| | |
|--------|--------|
| Width | 259 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

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Technical data

Input data

| | |
|---|---------------|
| Nominal input voltage U_N | 24 V DC |
| Input voltage range in reference to U_N | 0.85 ... 1.1 |
| Typical input current at U_N | 9 mA |
| Typical response time | 5 ms |
| Typical release time | 7 ms |
| Protective circuit/component | Damping diode |
| Status display/channel | Yellow LED |

Output data

| | |
|---------------------------------------|--------------------------|
| Contact type | 1 PDT |
| Contact material | AgSnO |
| Maximum switching voltage | 250 V AC/DC |
| Minimum switching voltage | 12 V AC/DC |
| Limiting continuous current | 4 A (see derating curve) |
| Min. switching current | 10 mA |
| Interrupting rating (ohmic load) max. | 96 W (at 24 V DC) |
| | 20 W (at 48 V DC) |
| | 18 W (at 60 V DC) |
| | 23 W (at 110 V DC) |
| | 40 W (at 220 V DC) |
| | 1000 VA (for 250 V AC) |

General

| | |
|-------------------------|---------------------------|
| No. of channels | 16 |
| Mechanical service life | 2×10^7 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 ² ... 4 mm ² |
| Conductor cross section flexible | 0.2 mm ² ... 2.5 mm ² |
| Conductor cross section AWG | 24 ... 12 |

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Technical data

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 |

Supported controller

| | |
|---------------------|--------------------------------------|
| Controller | HONEYWELL Experion PKS C300/C-Series |
| - suitable I/O card | TDOB01 (non-redundant) |
| | TDOB11 (redundant) |

Standards and Regulations

| | |
|--------------------------|---|
| Designation | Air clearances and creepage distances, input/output |
| Standards/regulations | DIN EN 50178: 1998-04 |
| Rated insulation voltage | 260 V |
| Rated surge voltage | 6 kV (1.2/50 µs) |
| Insulation | Reinforced insulation |
| Pollution degree | 2 |
| Overvoltage category | III |
| Designation | Air and creepage distances, output/output |
| Standards/regulations | DIN EN 50178: 1998-04 |
| Rated insulation voltage | 260 V |
| Rated surge voltage | 4 kV (1.2/50 µs) |
| Insulation | Basic insulation |
| Pollution degree | 2 |
| Overvoltage category | III |

Environmental Product Compliance

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

Classifications

eCl@ss

| | |
|------------|----------|
| 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 |

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Classifications

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 |
| 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

Approvals

EAC

Ex Approvals

Approval details

| | | |
|-----|---|--------------------------|
| EAC |  | RU C- DE.A*30.B.01742 |
|-----|---|--------------------------|