

## Active module - UM-D37SUB/M/HC3/DI24V/MR/SI/MT - 2906944


Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



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         | <br>4 0 5 5 6 2 6 1 4 1 4 4 2 |
| GTIN         | 4055626141442   |

### Technical data

#### Note

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

#### Dimensions

|        |          |
|--------|----------|
| Width  | 343.5 mm |
| Height | 125.5 mm |
| Depth  | 65.5 mm  |

#### Ambient conditions

|   |                  |
|---|------------------|
| Ambient temperature (operation)         | -15 °C ... 50 °C |
| Ambient temperature (storage/transport) | -15 °C ... 50 °C |

#### 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 $U_N$            | 6.5 mA       |
| Typical response time                     | 5 ms         |
| Typical release time                      | 7 ms         |
| Protective circuit/component              | Fuse         |

# Active module - UM-D37SUB/M/HC3/DI24V/MR/SI/MT - 2906944

## Technical data

### Input data

|                        |                             |
|------------------------|-----------------------------|
|                        | Damping diode               |
|                        | Reverse polarity protection |
| Status display/channel | Yellow LED                  |

### Output data

|                                       |  |
|---------------------------------------|--|
| Contact type                          | 1 PDT                                      |
| Contact material                      | Ag alloy, hard gold-plated                 |
| Maximum switching voltage             | 36 V DC                                    |
| 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                        |
| 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       | Controller level  |
| Connection method     | IDC/FLK pin strip |
| Number of connections | 1                 |
| Number of positions   | 50                |
| Pitch                 | 2.54 mm           |

### Connection data 3

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

### Supported controller

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

# Active module - UM-D37SUB/M/HC3/DI24V/MR/SI/MT - 2906944

## Technical data

### Supported controller

|  |                    |
|--|--------------------|
|  | TDIL11 (redundant) |
|--|--------------------|

### Standards and Regulations

|                       |              |
|-----------------------|--------------|
| Standards/regulations | DIN EN 50178 |
| Rated surge voltage   | 0.6 kV       |
| 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 |
| UNSPSC 12.01  | 39121421 |
| UNSPSC 13.2   | 39121432 |
| UNSPSC 18.0   | 39121432 |
| UNSPSC 19.0   | 39121432 |
| UNSPSC 20.0   | 39121432 |
| UNSPSC 21.0   | 39121432 |

# Active module - UM-D37SUB/M/HC3/DI24V/MR/SI/MT - 2906944

## Approvals

Approvals

---

Approvals


EAC

---

Ex Approvals

---

## Approval details

|     |   |                      |
|-----|---|----------------------|
| EAC |  | RU*DE.*08.B.01536/19 |
|-----|---|----------------------|

## 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)

---

Phoenix Contact 2020 © - all rights reserved  
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Terminal Block Interface Modules](#) category:*

*Click to view products by [Phoenix Contact](#) manufacturer:*

Other Similar products are found below :

[73-551-6002I](#) [GCN1MX25B](#) [DIN-50P-01](#) [DIN-68H-01](#) [DIN-96DI-01](#) [2291901](#) [2295185](#) [2907794](#) [2M10FCL](#) [FLKM-2I/O](#) [FLKM-4I/O](#)  
[2281759](#) [2906251](#) [2907808](#) [5601749](#) [5541962](#) [1776613-1](#) [GCN1-004A](#) [ADAM-3920R-AE](#) [060-6827-06](#) [2311030](#) [2287708](#) [XW2C-20G6-](#)  
[IO16](#) [GCN1-T](#) [MACX](#) [MCR-VAC](#) [5775235](#) [ADAM-3956-BE](#) [XW6T-COM2.5X20YL](#) [XW6T-COM1.5X8BL](#) [XW6T-COM1.5X16BL](#)  
[XW6T-COM1.5X20YL](#) [XW6T-COM1.5X16YL](#) [XW6T-COM1.5X20RD](#) [XW6T-COM1.5X20BL](#) [XW6T-COM2.5X8BL](#) [1976610000](#) [UM](#)  
[45-D50SUB/B/ZFKDS](#) [5541234](#) [410-261](#) [902056](#) [2906243](#) [2906915](#) [2907706](#) [ADAM-3909-AE](#) [ADAM-3920-AE](#) [ADAM-3925-AE](#)  
[ADAM-3937-BE](#) [ADAM-3950-AE](#) [ADAM-3951-BE](#) [ADAM-3968-AE](#)