# Chipsmall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# Active module - UM-D37M/16R-120AC/DI/C3/L - 2906910

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VARIOFACE 16-channel module enhances the capabilities of Honeywell Experion LX digital input IOTA's, enabling the use of (120 V AC) digital input signals with (24 V DC) Experion LX systems

## Why buy this product

☑ UM-PRO housing

☑ DIN rail mounting, includes grounding foot

☑ Designed to be mounted in the left side of the cabinet

☑ Per channel LED (coil) signal indication

☑ Per channel pluggable N/O relay

☑ Provides isolation between 120 V field devices and 24 V controller

## Key Commercial Data

| | |
|---|---|
| Packing unit | 1 STK |
| Weight per Piece (excluding packing) | 600.000 g |
| Custom tariff number | 85369010 |
| Country of origin | United States |

## Technical data

### Note

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

### Dimensions

| | |
|---|---|
| Width | 184 mm |
| Height | 142.3 mm |
| Depth | 65.2 mm |

### Ambient conditions

# Active module - UM-D37M/16R-120AC/DI/C3/L - 2906910

## Technical data

### Ambient conditions

| | |
|---|---|
| Ambient temperature (operation) | -40 °C ... 60 °C |
| Ambient temperature (storage/transport) | -40 °C ... 70 °C |

### Input data

| | |
|---|---|
| Nominal input voltage $U_N$ | 120 V AC |
| Input voltage range in reference to $U_N$ | 0.8 ... 1.1 |
| Typical input current at $U_N$ | 3 mA |
| Typical response time | 6 ms |
| Typical release time | 15 ms |
| Type of protection | Free-wheeling diode |
| Protective circuit/component | Damping diode |
| Status display/channel | Yellow LED |

### Output data

| | |
|---|---|
| Contact type | 1 N/O contact (double contact) |
| Contact material | AgNi, 5 µm hard gold-plated |
| Maximum switching voltage | 30 V AC |
| | 36 V DC |
| Minimum switching voltage | 100 mV |
| Limiting continuous current | 50 mA |
| Min. switching current | 1 mA |

### General

| | |
|---|---|
| No. of channels | 16 |
| With components | yes |
| Mechanical service life | $2 \times 10^7$ cycles |
| Operating mode | 100% operating factor |
| Color | yellow |

### Connection data for connection 1

| | |
|---|---|
| Connection name | Field level |
| Connection method | Screw connection |
| Stripping length | 8 mm |
| Screw thread | M3 |
| Conductor cross section solid | 0.2 mm² ... 4 mm² |
| Conductor cross section flexible | 0.2 mm² ... 2.5 mm² |
| Conductor cross section AWG | 24 ... 12 |

### Connection data for connection 2

| | |
|---|---|
| Connection name | Controller level |

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## Technical data

### Connection data for connection 2

| Connection method | D-SUB connector |
|---|---|
| Number of connections | 1 |
| Number of positions | 37 |

### Supported controller

| Corresponding control | Honeywell Experion LX Series 8 |
|---|---|
| Corresponding I/O card | 8X-TDILA1 |
| | 8X-TDILB1 |

## Drawings

Dimensional drawing
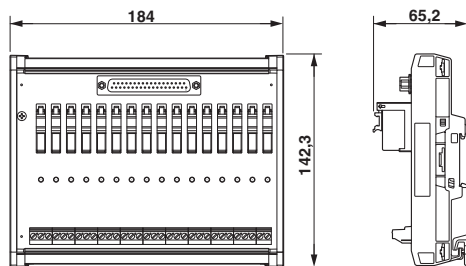


Circuit diagram
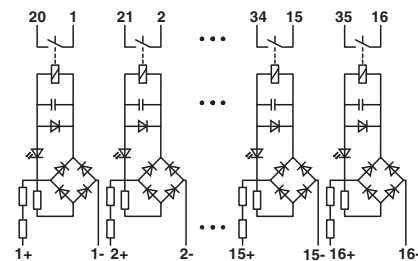


## Classifications

### eCl@ss

| eCl@ss 5.1 | 27250313 |
|---|---|
| eCl@ss 8.0 | 27141152 |
| eCl@ss 9.0 | 27141152 |

### ETIM

| ETIM 5.0 | EC002780 |
|---|---|

## Accessories

### Accessories

System cable

# Active module - UM-D37M/16R-120AC/DI/C3/L - 2906910

## Accessories

Cable - CABLE-D37SUB/B/B/ 100/KONFEK/S - 2305509

Assembled shielded round cable with 1 x D-SUB socket strip (37-position) on 1 x D-SUB socket strip (37-position), Cable length: 1 m

Cable - CABLE-D37SUB/B/B/ 200/KONFEK/S - 2305512

Assembled shielded round cable with 1 x D-SUB socket strip (37-position) on 1 x D-SUB socket strip (37-position), Cable length: 2 m

Cable - CABLE-D37SUB/B/B/ 300/KONFEK/S - 2305525

Assembled shielded round cable with 1 x D-SUB socket strip (37-position) on 1 x D-SUB socket strip (37-position), Cable length: 3 m

Cable - CABLE-D37SUB/B/B/ 400/KONFEK/S - 2900759

Assembled shielded round cable with 1 x D-SUB socket strip (37-position) on 1 x D-SUB socket strip (37-position), Cable length: 4 m

Cable - CABLE-D37SUB/B/B/ 600/KONFEK/S - 2900760

Assembled shielded round cable with 1 x D-SUB socket strip (37-position) on 1 x D-SUB socket strip (37-position), Cable length: 6 m

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## Accessories

Cable - CABLE-D37SUB/B/B/ 800/KONFEK/S - 2900761

Assembled shielded round cable with 1 x D-SUB socket strip (37-position) on 1 x D-SUB socket strip (37-position), Cable length: 8 m

Cable - CABLE-D37SUB/B/B/1000/KONFEK/S - 2900762

Assembled shielded round cable with 1 x D-SUB socket strip (37-position) on 1 x D-SUB socket strip (37-position), Cable length: 10 m

Cable - CABLE-D37SUB/B/B/1500/KONFEK/S - 2900763

Assembled shielded round cable with 1 x D-SUB socket strip (37-position) on 1 x D-SUB socket strip (37-position), Cable length: 15 m

Cable - CABLE-D37SUB/B/B/2000/KONFEK/S - 2900764

Assembled shielded round cable with 1 x D-SUB socket strip (37-position) on 1 x D-SUB socket strip (37-position), Cable length: 20 m

## Necessary add-on products

Front adapters - FLKM-PA-D37/HW/DIO/C300 - 2901423

VARIOFACE front adapter, for Honeywell C300, Series C I/O, maximum of 1 x 16 channels can be connected (37-pos. D-SUB connector). Specifically for connecting digital, redundant I/O cards.

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## Accessories

Spare parts

Single relay - REL-MR- 60DC/21AU - 2961134

Plug-in miniature power relay, with multi-layer gold contact, 1 PDT, input voltage 60 V DC