

## Active module - UM-D37M/16R-240AC/DI/C3/R - 2906906

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VARIOFACE 16-channel module enhances the capabilities of Honeywell Experion LX digital input IOTA's, enabling the use of (240 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 right side of the cabinet
- ✓ Per channel LED (coil) signal indication
- ✓ Per channel pluggable N/O relay
- ✓ Provides isolation between 240 V field devices and 24 V controller



### Key Commercial Data

|                                      |                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit                         | 1 STK                                                                                                   |
| GTIN                                 | <br>4 055626 163444 |
| GTIN                                 | 4055626163444                                                                                           |
| 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 |
|-------|--------|

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### Technical data

#### Dimensions

|        |          |
|--------|----------|
| Height | 142.3 mm |
| Depth  | 65.2 mm  |

#### Ambient conditions

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

#### Input data

|                                           |                     |
|-------------------------------------------|---------------------|
| Nominal input voltage $U_N$               | 240 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                     | 7 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 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> |

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### Technical data

#### Connection data for connection 1

|                             |           |
|-----------------------------|-----------|
| Conductor cross section AWG | 24 ... 12 |
|-----------------------------|-----------|

#### Connection data for connection 2

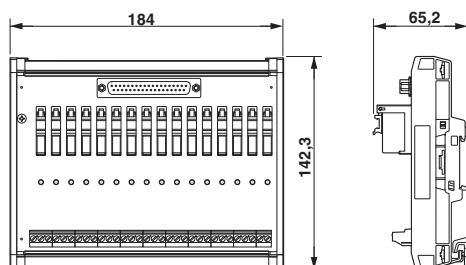
|                       |                  |
|-----------------------|------------------|
| Connection name       | Controller level |
| Connection method     | D-SUB connector  |
| Number of connections | 1                |
| Number of positions   | 37               |

#### Supported controller

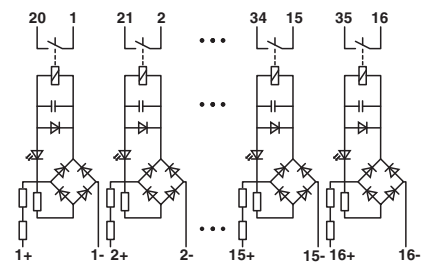
|                        |                                |
|------------------------|--------------------------------|
| Corresponding control  | Honeywell Experion LX Series 8 |
| Corresponding I/O card | TDILA1                         |
|                        | TDILB1                         |

### Drawings

Dimensional drawing



Circuit diagram



### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27250313 |
| eCl@ss 4.1 | 27250313 |
| eCl@ss 5.0 | 27250313 |
| eCl@ss 5.1 | 27250313 |
| eCl@ss 7.0 | 27141152 |
| eCl@ss 8.0 | 27141152 |
| eCl@ss 9.0 | 27141152 |

#### ETIM

|          |          |
|----------|----------|
| ETIM 4.0 | EC002780 |
|----------|----------|

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### Classifications

#### ETIM

|          |          |
|----------|----------|
| ETIM 5.0 | EC002780 |
| ETIM 6.0 | EC002780 |

#### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 13.2 | 39121432 |
|-------------|----------|

### Accessories

#### Accessories

#### System cable

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

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### Accessories

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#### 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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#### 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

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#### 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

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#### 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

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#### 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

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### Necessary add-on products

## Active module - UM-D37M/16R-240AC/DI/C3/R - 2906906

### Accessories

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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### 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