

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 | 2×10^7 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 ² ... 4 mm ² |
| Conductor cross section flexible | 0.2 mm ² ... 2.5 mm ² |
| 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

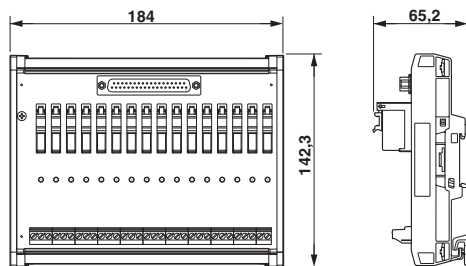
| | |
|-----------------------|-----------------|
| Connection method | D-SUB connector |
| Number of connections | 1 |
| Number of positions | 37 |

Supported controller

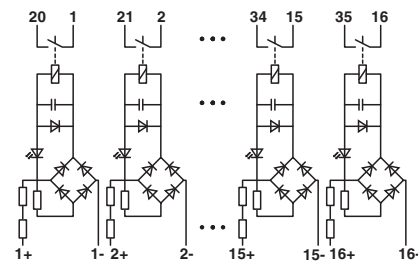
| | |
|------------------------|--------------------------------|
| Corresponding control | Honeywell Experion LX Series 8 |
| Corresponding I/O card | 8X-TDILA1 |
| | 8X-TDILB1 |

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

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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