

## Active module - UM-D37M/16R-120AC/DI/C3/R - 2906907

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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 right 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
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#### Dimensions

Width	184 mm
Height	142.3 mm
Depth	65.2 mm

#### Ambient conditions

## Active module - UM-D37M/16R-120AC/DI/C3/R - 2906907

### 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 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

#### Connection data for connection 2

Connection name	Controller level
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## Technical data

### Connection data for connection 2

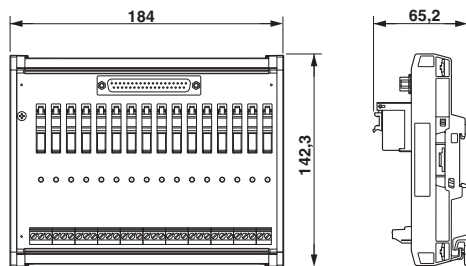
Connection method	D-SUB connector
Number of connections	1
Number of positions	37

### Supported controller

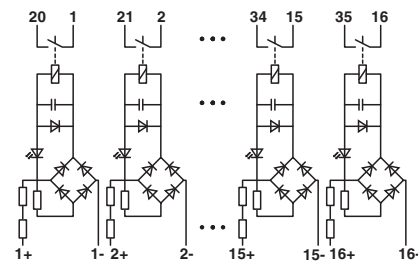
Corresponding control	Honeywell Experion LX Series 8
Corresponding I/O card	8X-TDILA1
	8X-TDILB1

## 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
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## Accessories

Accessories

System cable

## Active module - UM-D37M/16R-120AC/DI/C3/R - 2906907

### 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

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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

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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

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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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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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## Active module - UM-D37M/16R-120AC/DI/C3/R - 2906907

### 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

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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

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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## Active module - UM-D37M/16R-120AC/DI/C3/R - 2906907

### 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