

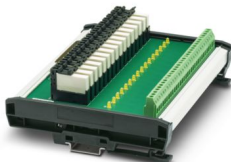
# UM-D37M/16R-120AC/DI/C3/L - Active module



2906910

<https://www.phoenixcontact.com/us/products/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

## Your advantages

- UM-PRO housing
- DIN rail mounting, includes grounding foot
- Per channel LED (coil) signal indication
- Provides isolation between 120 V field devices and 24 V controller
- Per channel pluggable N/O relay
- Designed to be mounted on the left side of the cabinet

## Commercial data

Item number	2906910
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C421
Product key	CK219H
GTIN	4055626163475
Weight per piece (including packing)	620.4 g
Weight per piece (excluding packing)	620.4 g
Customs tariff number	85371098
Country of origin	US

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## Technical data

### Product properties

Product type	Interface module
No. of channels	16
Operating mode	100% operating factor
Mechanical service life	2x 10 <sup>7</sup> cycles
With components	yes

### Data management status

Article revision	01
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### Insulation characteristics

Overvoltage category	II
Pollution degree	2

### Electrical properties

Supported controller HONEYWELL Experion LX Series 8

Suitable I/O card	TDILA1
	TDILB1

### 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
Protective circuit	Freewheeling diode; Freewheeling diode
Status display/channel	Yellow LED

### Output data

#### Switching

Contact switching 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

### Connection data

#### Controller level

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

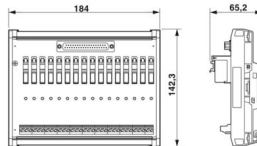
## Field level

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section rigid	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

## Signaling

Status display present	Yes
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## Dimensions

Dimensional drawing	
Width	184 mm
Height	142.3 mm
Depth	65.2 mm

## Material specifications

Color	black (RAL 9005)
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## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-40 °C ... 60 °C
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Altitude	< 2000 m
Permissible humidity (operation)	< 90 %
Permissible humidity (storage/transport)	< 90 %

## Mounting

Mounting type	DIN rail mounting
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## Notes

Notes on operation	For proper use, the specifications of the installation directive (see Downloads) must be observed. For applications or use with third-party products, the specifications, and the safety and warning instructions of the respective third-party manufacturer must also be met.
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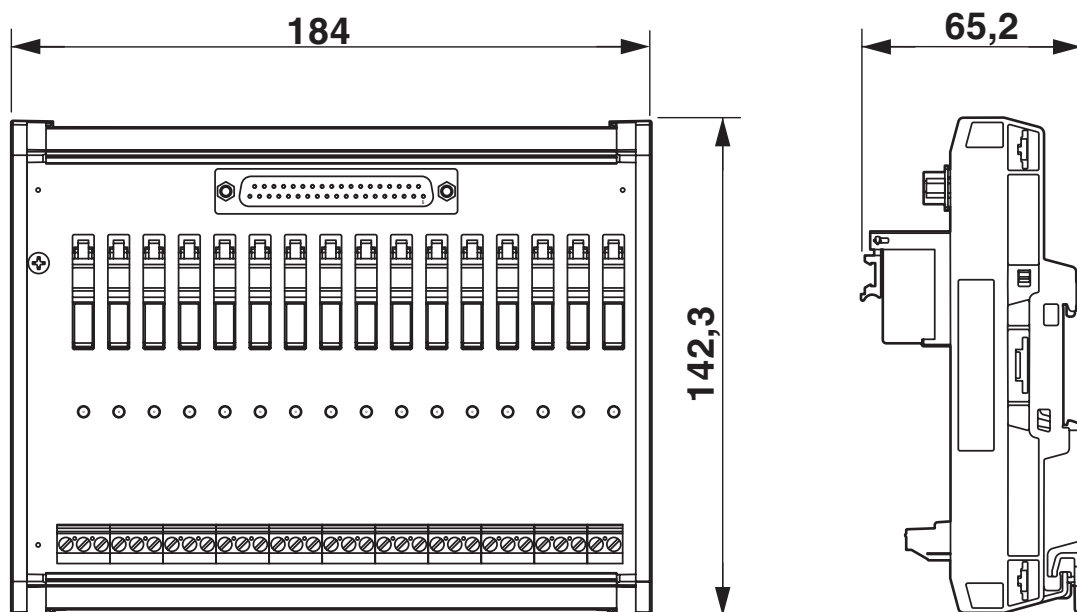


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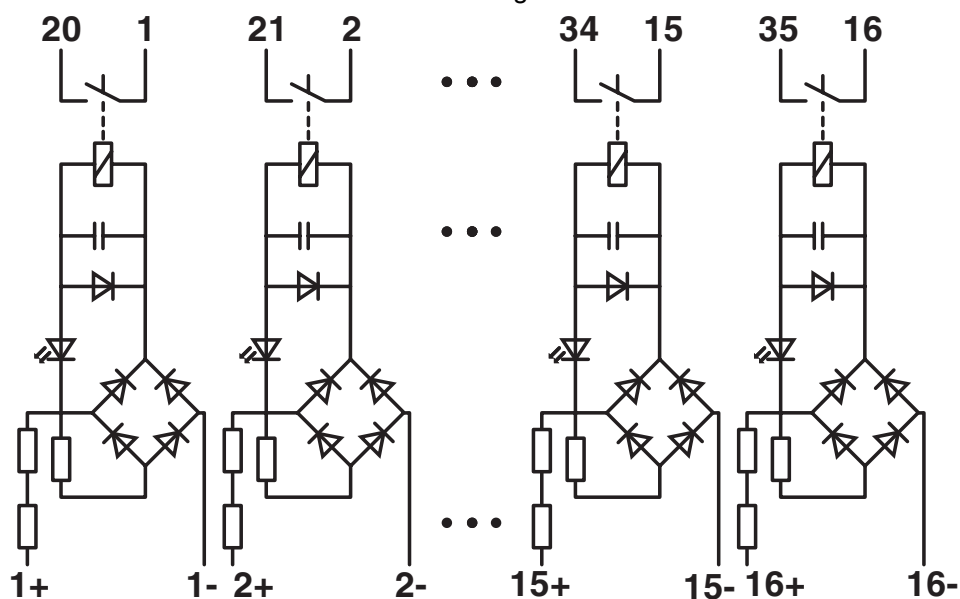
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## Drawings

Dimensional drawing



Circuit diagram



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## Classifications

### ECLASS

ECLASS-11.0	27141152
ECLASS-12.0	27141152
ECLASS-13.0	27141152

### ETIM

ETIM 9.0	EC002780
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### UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes
Exemption	6(c), 7(a), 7(c)-I
China RoHS	
Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
EU REACH SVHC	
REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	67742cc4-1f3e-468b-8fbe-dd5cec69c121