

# UM-D37M/16RSC-24DC/DO/C3/R IM - Active module

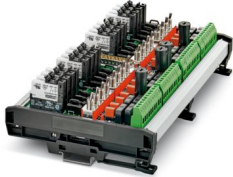


2906121

<https://www.phoenixcontact.com/us/products/2906121>

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VARIOFACE 16-channel module intended for use with Honeywell® Experion C300 24 V digital IOTA, right-hand version, 3 A, 120 V, inter-marshalling



## Your advantages

- UM-PRO housing
- DIN rail mounting, includes grounding foot
- Per channel pluggable 3 A fusing
- Per channel configuration for NO or NC contacts
- Per-channel selectable inter-marshalling or external-powered (via toggle switch)
- Designed to be mounted on the right side of the cabinet
- LED blown fuse indication

## Commercial data

Item number	2906121
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	DK219H
GTIN	4055626078021
Weight per piece (including packing)	903 g
Weight per piece (excluding packing)	860 g
Customs tariff number	85371098
Country of origin	US

## 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

### Insulation characteristics

Overvoltage category	II
Pollution degree	2

### Electrical properties

Supported controller: HONEYWELL Experion PKS C300/C-Series

Suitable I/O card	TDOB01 (non-redundant)
	TDOB11 (redundant)
	TDOB51 (non-redundant)
	TDOB61 (redundant)

### Input data

Nominal input voltage $U_N$	24 V DC
Input voltage range in reference to $U_N$	0.8 ... 1.1
Input voltage range	19.2 V DC ... 26.4 V DC
Typical input current at $U_N$	7 mA
Typical response time	5 ms
Typical release time	15 ms
Protective circuit	Freewheeling diode; Freewheeling diode

### Output data

#### Switching

Contact switching type	1 changeover contact
Contact material	AgSnO
Maximum switching voltage	120 V AC/DC
Minimum switching voltage	12 V
Limiting continuous current	3 A (fuse limited)
Min. switching current	10 mA
Interrupting rating (ohmic load) max.	72 W (24 V DC)
	20 W (48 V DC)
	18 W (60 V DC)
	23 W (110 V DC)
	360 VA (120 V AC)
Error detection (line break / short-circuit)	no

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## Connection data

### Controller level

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

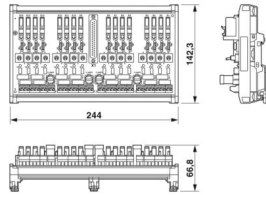
### Field level

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Number of connections	32
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, if the fuse fails
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## Dimensions

Dimensional drawing	
Width	244 mm
Height	142.3 mm
Depth	66.8 mm

## Environmental and real-life conditions

### Ambient conditions

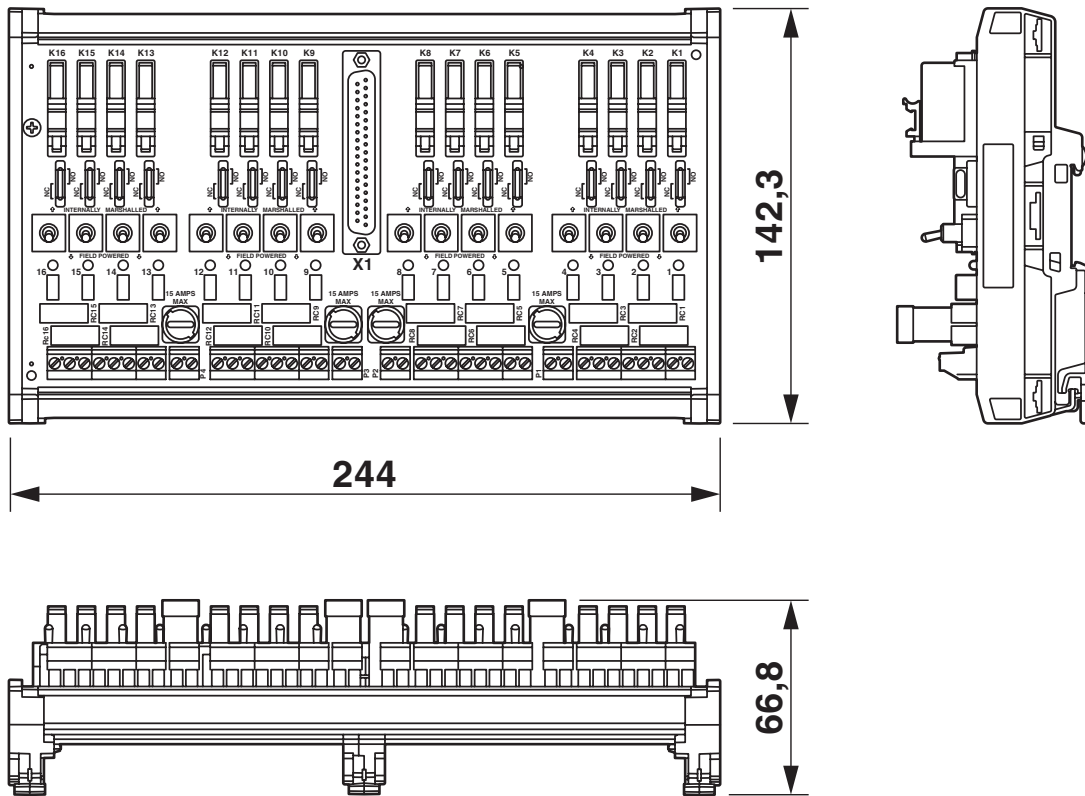
Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 75 °C
Altitude	< 2000 m
Permissible humidity (operation)	90 %
Permissible humidity (storage/transport)	90 %

## Mounting

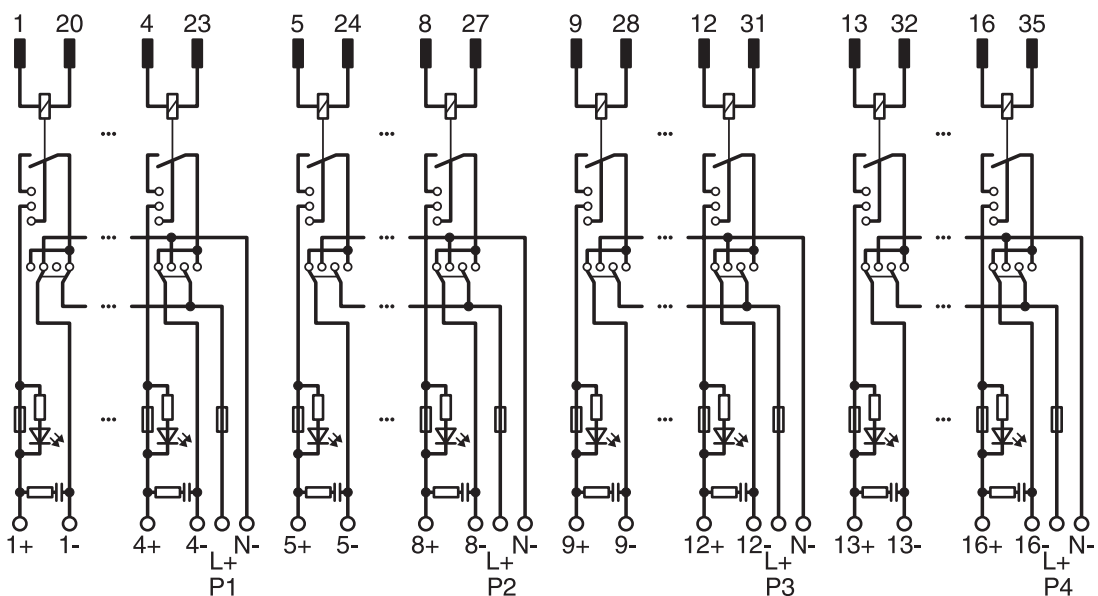
Mounting type	DIN rail mounting
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Drawings

Dimensional drawing



Circuit diagram



Channel 16 shows switch in internal marshalling powered configuration.  
All other channels show switch in externally powered configuration.

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## Classifications

### ECLASS

ECLASS-13.0

27141152

### ETIM

ETIM 9.0

EC002780

### 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	889ca841-c968-4ede-b839-b22ec081648b

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