

# UM-D37M/16RSC-24DC/DO/C300/R - Active module



2905196

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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



## 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
- Designed to be mounted on the right side of the cabinet
- LED blown fuse indication

## Commercial data

Item number	2905196
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C421
Product key	DK219H
GTIN	4055626076997
Weight per piece (including packing)	660.7 g
Weight per piece (excluding packing)	646.9 g
Customs tariff number	85371098
Country of origin	US

## Technical data

### Product properties

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

### 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

## Connection data

### Controller level

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

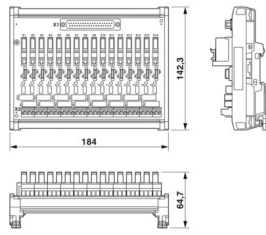
### Field level

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	184 mm
Height	142.3 mm
Depth	64.7 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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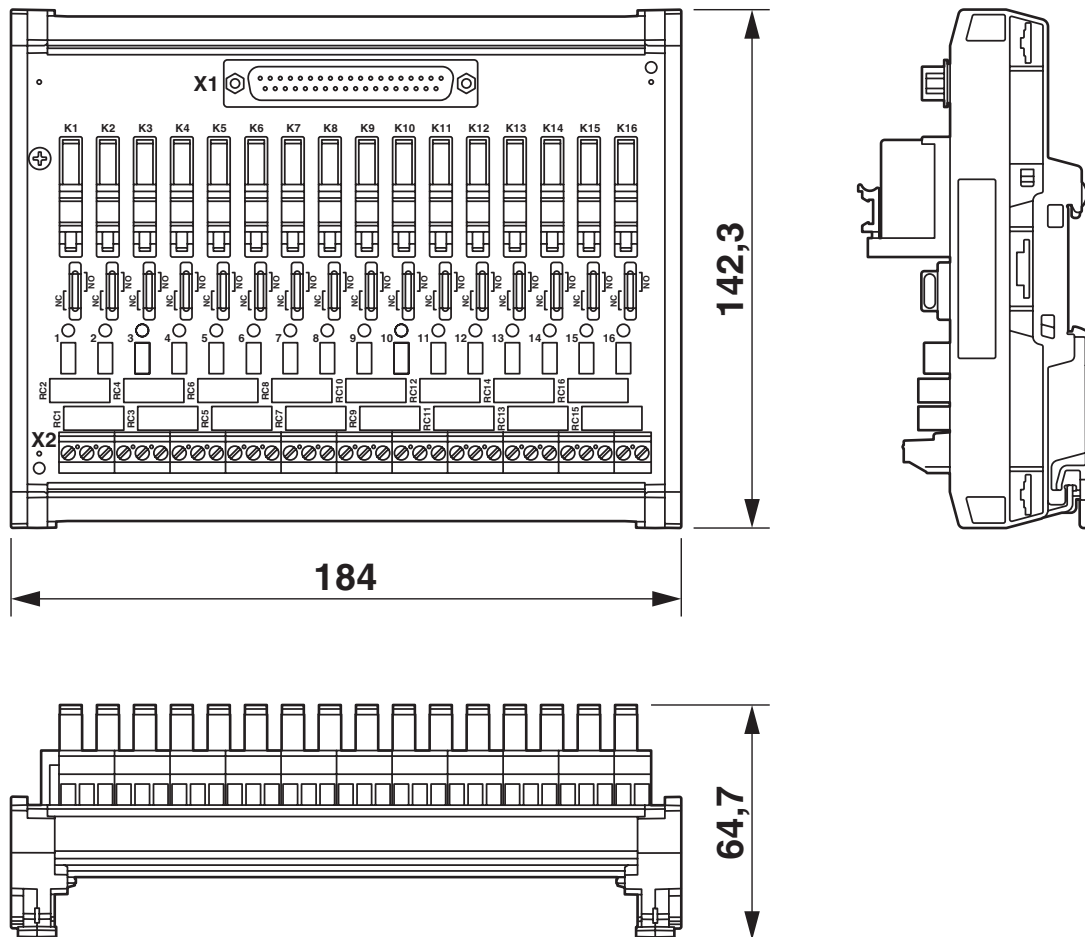


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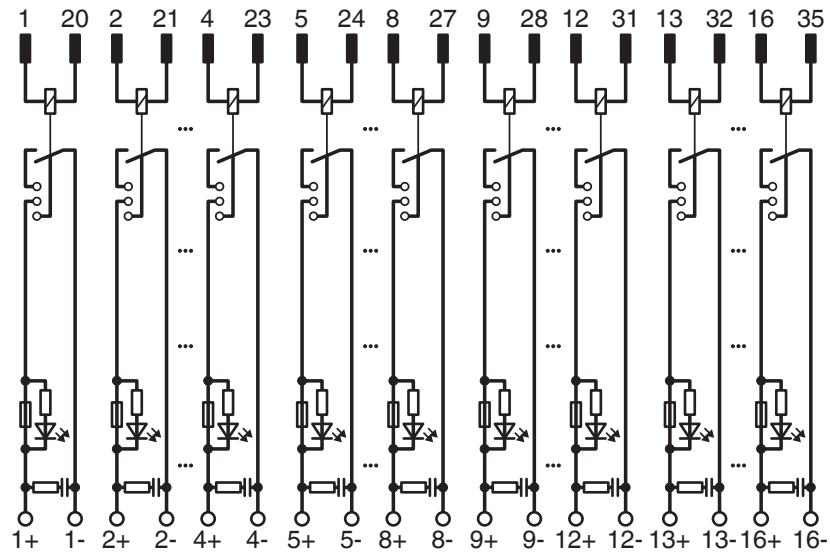
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## Drawings

Dimensional drawing



Circuit diagram



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## Approvals

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**cUL Recognized**  
Approval ID: E238705



**UL Recognized**  
Approval ID: E238705



**EAC**  
Approval ID: RU\*-DE.\*08.B.01829\*

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## Classifications

### ECLASS

ECLASS-13.0	27141152
ECLASS-15.0	27141152

### ETIM

ETIM 10.0	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	49bba958-0c91-4e23-80b4-2814c1c328ef

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