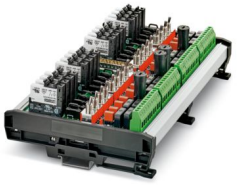
UM-D37M/16RSC-24DC/DO/C3/L IM - Active module

2906120

https://www.phoenixcontact.com/us/products/2906120

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VARIOFACE 16-channel module intended for use with Honeywell® Experion C300 24 V digital IOTA, left-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 left side of the cabinet
- LED blown fuse indication

Commercial data

Item number	2906120
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	DK219H
GTIN	4055626078014
Weight per piece (including packing)	42.42 g
Weight per piece (excluding packing)	40.4 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 10^7 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

Connection data

Controller level

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

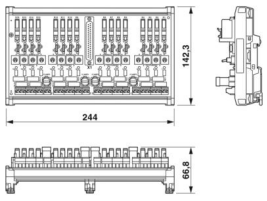
Field level

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Number of connections	32
Conductor cross-section rigid	0.2 mm² ... 4 mm²
Conductor cross-section flexible	0.2 mm² ... 2.5 mm²
Conductor cross-section AWG	24 ... 12

Signaling

Status display present	yes, if the fuse fails

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

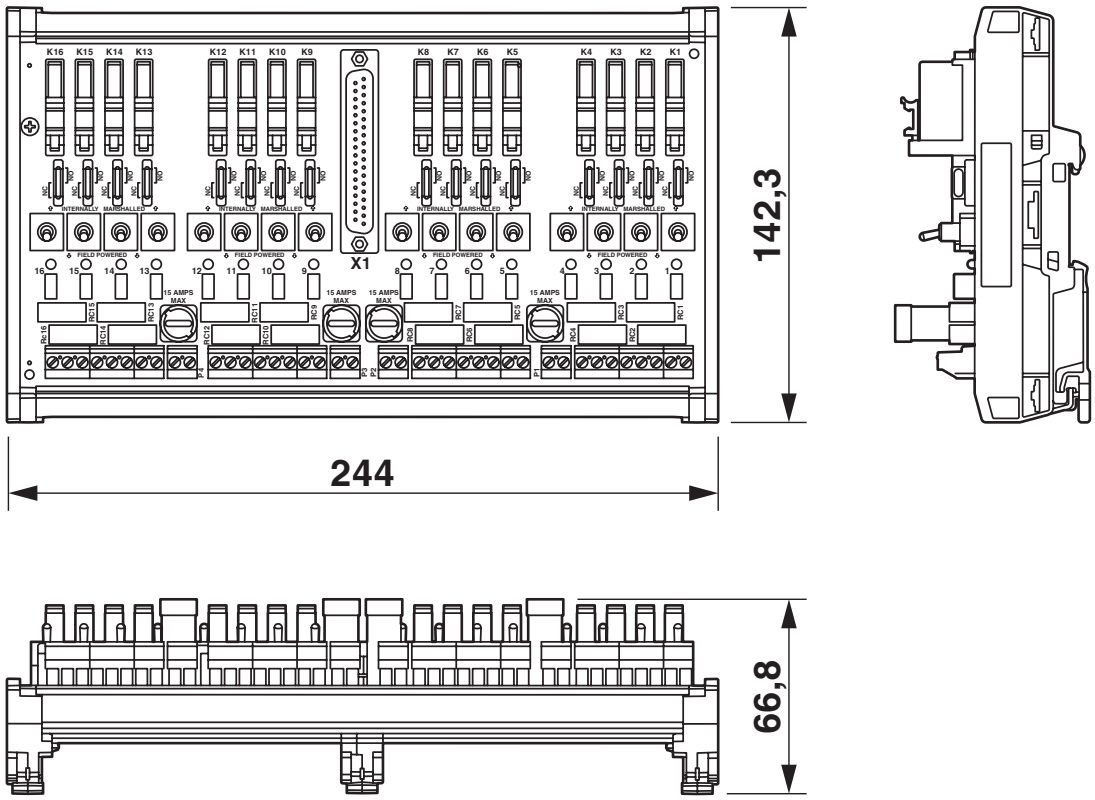
Mounting type	DIN rail mounting
Mounting position	any

Notes

General	Standard or halogen-free cables
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.

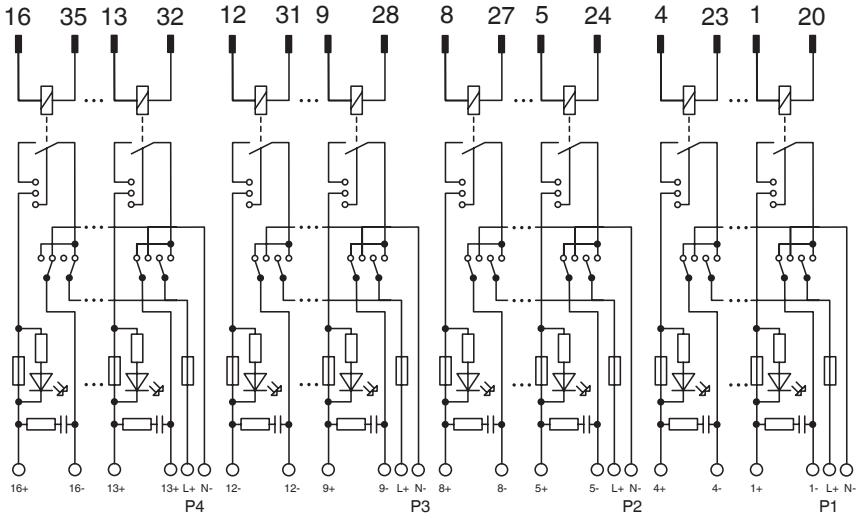
Drawings

Dimensional drawing



Dimensional drawing of right-hand version

Circuit diagram



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

Classifications

ECLASS

ECLASS-13.0	27141152

ETIM

ETIM 9.0	EC002780

UNSPSC

UNSPSC 21.0	39121400

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	532a8a9f-09ce-45f8-856b-e881fd429438

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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com