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

2906121

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

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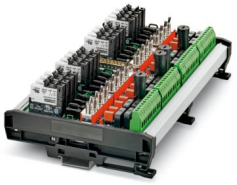


VARIOFACE 16-channel module intended for use with Honeywell® Experion C300 24 V digital IOTA, right-hand version, 3 A, 120 V, inter-marshalling

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 10^7 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

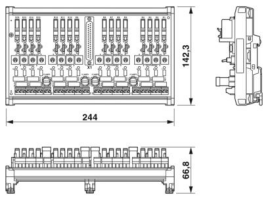
Field level

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

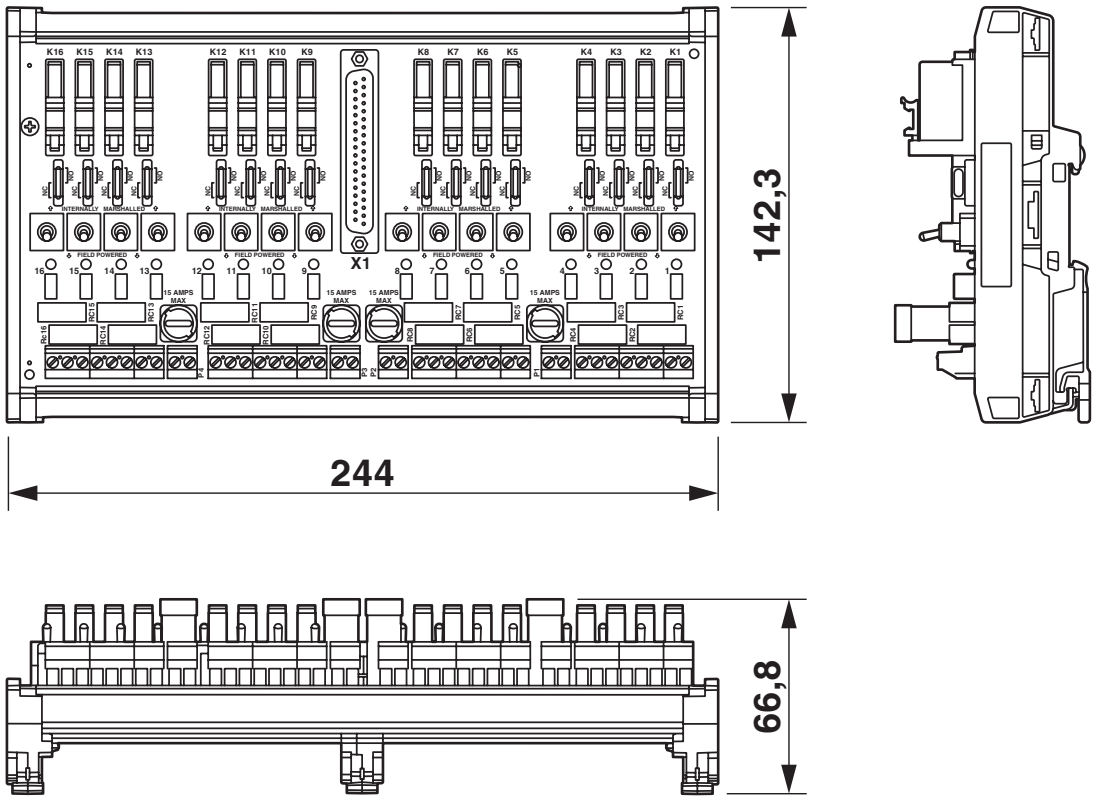
Mounting type	DIN rail mounting

Notes

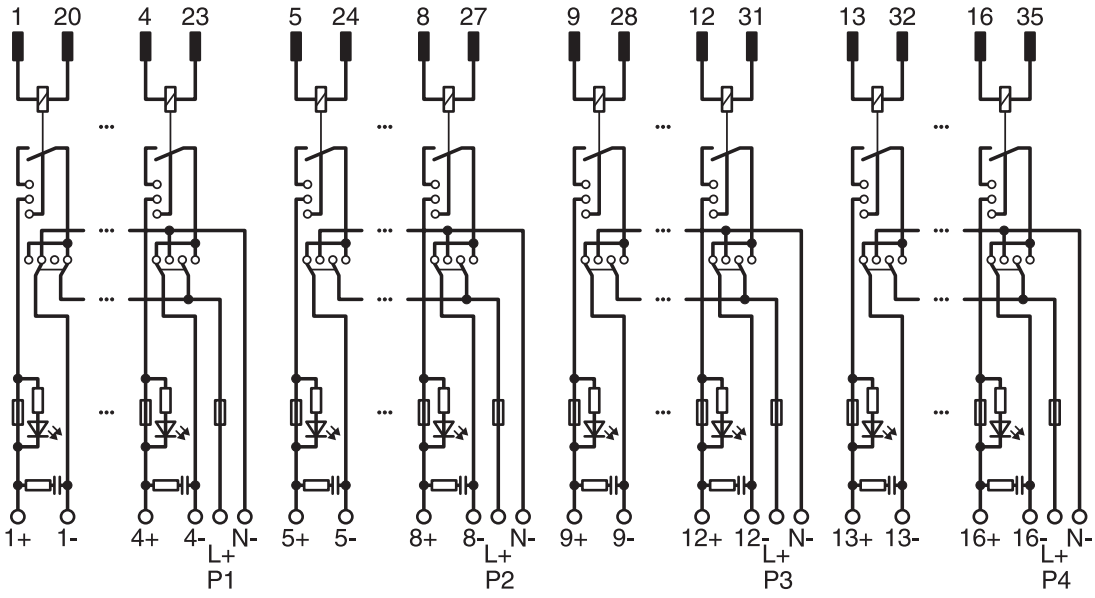
General	Standard or halogen-free cables
Notes on operation	For proper use, the specifications of the installation directive (see Downloads) must be observed. For applications or use with third-party products, the specifications, and the safety and warning instructions of the respective third-party manufacturer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

Drawings

Dimensional drawing



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	889ca841-c968-4ede-b839-b22ec081648b

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