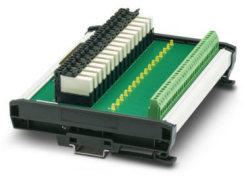
UM-D37M/16R-120AC/DI/C3/L - Active module

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
Weight per piece (excluding packing)	600 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

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
Number of connections	1
Number of positions	37

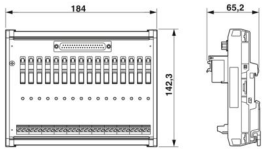
Field level

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

Signaling

Status display present	yes

Dimensions

Dimensional drawing	
Width	184 mm
Height	142.3 mm
Depth	65.2 mm

Material specifications

Color	black (RAL 9005)

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

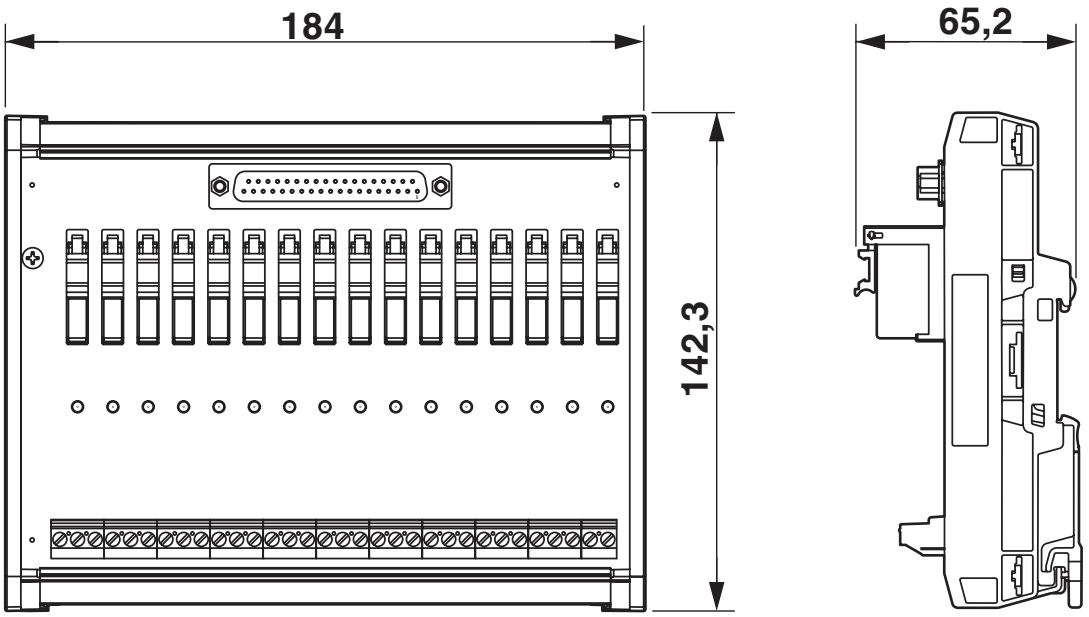
Mounting type	DIN rail mounting

Notes

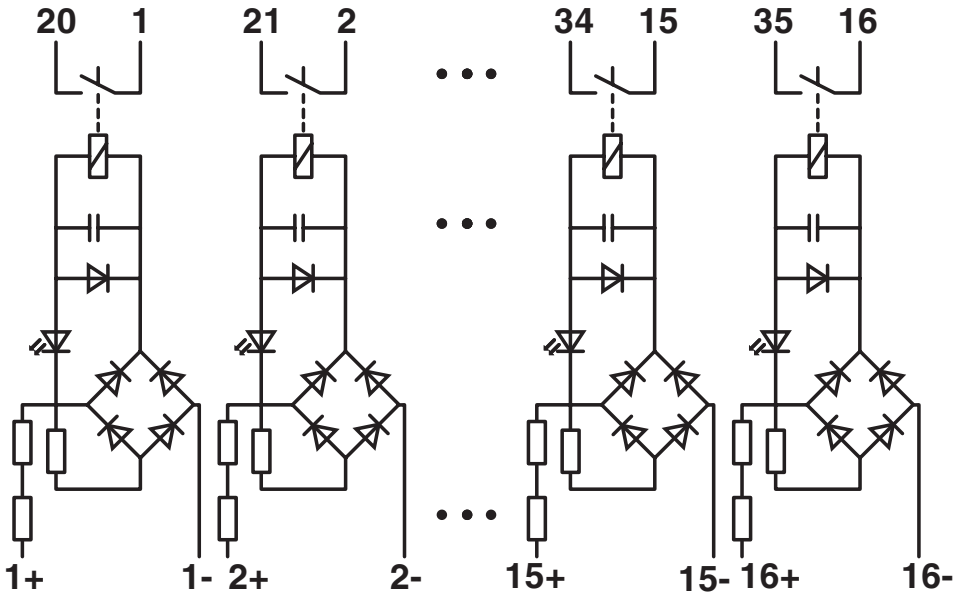
Notes on operation	For proper use, the specifications of the installation directive (see Downloads) must be observed. For applications or use with third-party products, the specifications, and the safety and warning instructions of the respective third-party manufacturer must also be met.

Drawings

Dimensional drawing



Circuit diagram



Classifications

ECLASS

ECLASS-13.0	27141152
ECLASS-15.0	27141152

ETIM

ETIM 10.0	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	67742cc4-1f3e-468b-8fbe-dd5cec69c121

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