

UM-D37M/16R-240AC/DI/C3/L C - Active module



2906914

<https://www.phoenixcontact.com/us/products/2906914>

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VARIOFACE 16-channel module enhances the capabilities of Honeywell Experion LX digital input IOTA's, enabling the use of (240 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 240 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	2906914
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	CK219H
GTIN	4055626164304
Weight per piece (including packing)	608.1 g
Weight per piece (excluding packing)	600 g
Customs tariff number	85371098
Country of origin	US

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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 LX Series 8

Suitable I/O card	TDILA1
	TDILB1

Input data

Nominal input voltage U_N	240 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	7 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

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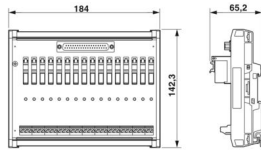
Field level

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section rigid	0.2 mm ² ... 4 mm ²
Conductor cross section flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross section AWG	24 ... 12

Signaling

Status display present	Yes
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Dimensions

Dimensional drawing	
Width	184 mm
Height	142.3 mm
Depth	65.2 mm

Material specifications

Color	black (RAL 9005)
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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

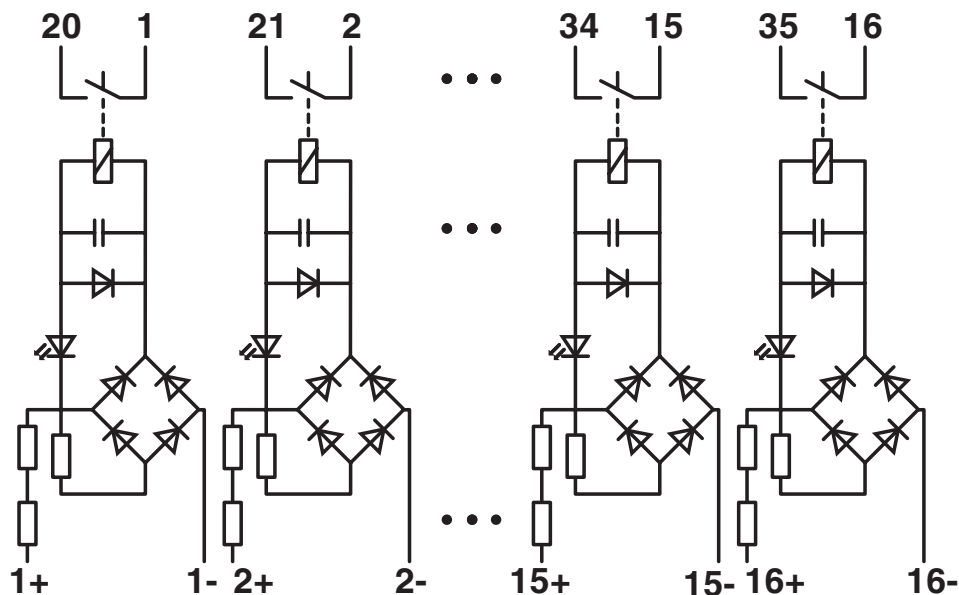
Mounting type	DIN rail mounting
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Notes

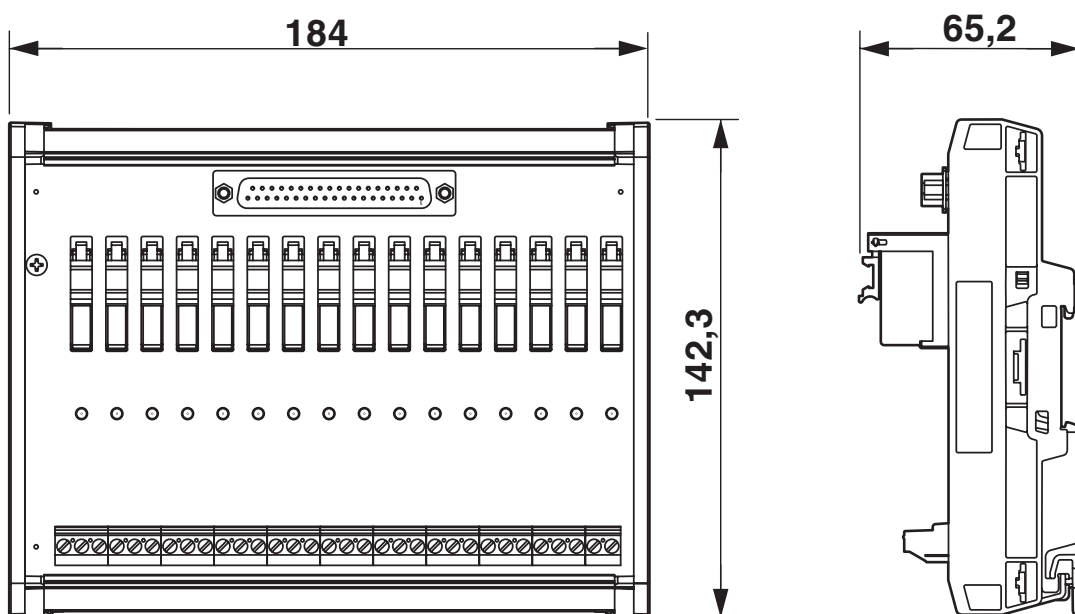
Notes on operation	For proper use, the specifications of the installation directive (see Downloads) must be observed. For applications or use with third-party products, the specifications, and the safety and warning instructions of the respective third-party manufacturer must also be met.
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Drawings

Circuit diagram



Dimensional drawing



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Classifications

ECLASS

ECLASS-11.0	27141152
ECLASS-12.0	27141152
ECLASS-13.0	27141152

ETIM

ETIM 9.0	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	b661d4b0-0db5-434e-bc78-c294b3f744b5

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Mandatory accessories

FLKM-PA-D37/HW/DIO/C300 - Front adapter

2901423

<https://www.phoenixcontact.com/us/products/2901423>



VARIOFACE front adapter, for Honeywell C300, Series C I/O, maximum of 1x 16 channels can be connected (37-pos. D-SUB connector). Specifically for connecting digital, redundant I/O cards.

Accessories

CABLE-D37SUB/B/B/ 100/KONFEK/S - Cable

2305509

<https://www.phoenixcontact.com/us/products/2305509>



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 37-position); connection 2: D-SUB socket strip (1x 37-position); cable length: 1 m

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CABLE-D37SUB/B/B/ 200/KONFEK/S - Cable

2305512

<https://www.phoenixcontact.com/us/products/2305512>



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 37-position); connection 2: D-SUB socket strip (1x 37-position); cable length: 2 m

CABLE-D37SUB/B/B/ 300/KONFEK/S - Cable

2305525

<https://www.phoenixcontact.com/us/products/2305525>



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 37-position); connection 2: D-SUB socket strip (1x 37-position); cable length: 3 m

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CABLE-D37SUB/B/B/ 400/KONFEK/S - Cable

2900759

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Assembled shielded round cable; connection 1: D-SUB socket strip (1x 37-position); connection 2: D-SUB socket strip (1x 37-position); cable length: 4 m

CABLE-D37SUB/B/B/ 600/KONFEK/S - Cable

2900760

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Assembled shielded round cable; connection 1: D-SUB socket strip (1x 37-position); connection 2: D-SUB socket strip (1x 37-position); cable length: 6 m

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CABLE-D37SUB/B/B/ 800/KONFEK/S - Cable

2900761

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Assembled shielded round cable; connection 1: D-SUB socket strip (1x 37-position); connection 2: D-SUB socket strip (1x 37-position); cable length: 8 m

CABLE-D37SUB/B/B/1000/KONFEK/S - Cable

2900762

<https://www.phoenixcontact.com/us/products/2900762>



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 37-position); connection 2: D-SUB socket strip (1x 37-position); cable length: 10 m

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CABLE-D37SUB/B/B/1500/KONFEK/S - Cable

2900763

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Assembled shielded round cable; connection 1: D-SUB socket strip (1x 37-position); connection 2: D-SUB socket strip (1x 37-position); cable length: 15 m

CABLE-D37SUB/B/B/2000/KONFEK/S - Cable

2900764

<https://www.phoenixcontact.com/us/products/2900764>



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 37-position); connection 2: D-SUB socket strip (1x 37-position); cable length: 20 m

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CABLE-D37SUB/B/B/2500/KONFEK/S - Cable

2902074

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Assembled shielded round cable; connection 1: D-SUB socket strip (1x 37-position); connection 2: D-SUB socket strip (1x 37-position); cable length: 25 m

CABLE-D37SUB/B/B/3000/KONFEK/S - Cable

2902075

<https://www.phoenixcontact.com/us/products/2902075>



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 37-position); connection 2: D-SUB socket strip (1x 37-position); cable length: 30 m

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CABLE-D37SUB/B/B/3500/KONFEK/S - Cable

2902076

<https://www.phoenixcontact.com/us/products/2902076>



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 37-position); connection 2: D-SUB socket strip (1x 37-position); cable length: 35 m

CABLE-D37SUB/B/B/4000/KONFEK/S - Cable

2902077

<https://www.phoenixcontact.com/us/products/2902077>



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 37-position); connection 2: D-SUB socket strip (1x 37-position); cable length: 40 m

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CABLE-D37SUB/B/B/HF/S/ 1,0M - Cable

2908516

<https://www.phoenixcontact.com/us/products/2908516>



Assembled, shielded, halogen-free round cable; connection 1: D-SUB socket strip (1x 37-position); connection 2: D-SUB socket strip (1x 37-position); cable length: 1 m

CABLE-D37SUB/B/B/HF/S/ 2,0M - Cable

2908517

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Assembled, shielded, halogen-free round cable; connection 1: D-SUB socket strip (1x 37-position); connection 2: D-SUB socket strip (1x 37-position); cable length: 2 m

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CABLE-D37SUB/B/B/HF/S/ 3,0M - Cable

2908518

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Assembled, shielded, halogen-free round cable; connection 1: D-SUB socket strip (1x 37-position); connection 2: D-SUB socket strip (1x 37-position); cable length: 3 m

CABLE-D37SUB/B/B/HF/S/10,0M - Cable

2908522

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Assembled, shielded, halogen-free round cable; connection 1: D-SUB socket strip (1x 37-position); connection 2: D-SUB socket strip (1x 37-position); cable length: 10 m

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CABLE-D37SUB/B/B/HF/S/15,0M - Cable

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Assembled, shielded, halogen-free round cable; connection 1: D-SUB socket strip (1x 37-position); connection 2: D-SUB socket strip (1x 37-position); cable length: 15 m

CABLE-D37SUB/B/B/HF/S/20,0M - Cable

2908525

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Assembled, shielded, halogen-free round cable; connection 1: D-SUB socket strip (1x 37-position); connection 2: D-SUB socket strip (1x 37-position); cable length: 20 m

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CABLE-D37SUB/B/B/HF/S/25,0M - Cable

2908526

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Assembled, shielded, halogen-free round cable; connection 1: D-SUB socket strip (1x 37-position); connection 2: D-SUB socket strip (1x 37-position); cable length: 25 m

CABLE-D37SUB-B-B-HF-S/... - Cable

1075563

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Assembled, shielded, halogen-free round cable; connection 1: D-SUB socket strip (1x 37-position); connection 2: D-SUB socket strip (1x 37-position); cable length: variable

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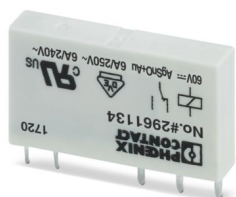
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REL-MR- 60DC/21AU - Single relay

2961134

<https://www.phoenixcontact.com/us/products/2961134>



Plug-in miniature power relay, with multi-layer gold contact, 1 changeover contact, input voltage 60 V DC

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