

Active module - UM-D37M/16RSC-24DC/DO/C3/L C - 2906196

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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, conformal coating

Picture shows right-hand version

Why buy this product

- UM-PRO housing
- DIN rail mounting, includes grounding foot
- Designed to be mounted in the left side of the cabinet
- Per channel pluggable 3 A fusing
- LED blown fuse indication
- Conformally-coated PCB
- Per channel configuration for NO or NC contacts



Key Commercial Data

Packing unit	1 STK
Weight per Piece (excluding packing)	640.000 g
Custom tariff number	85369010
Country of origin	United States

Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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Dimensions

Width	184 mm
Height	142.3 mm
Depth	64.7 mm

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Technical data

Ambient conditions

Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 75 °C

Input data

Nominal input voltage U_N	24 V DC
Input voltage range in reference to U_N	0.8 ... 1.1
Typical input current at U_N	7 mA
Typical response time	5 ms
Typical release time	15 ms
Type of protection	Free-wheeling diode
Protective circuit/component	Damping diode

Output data

Contact type	1 PDT
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

General

No. of channels	16
With components	yes
Mechanical service life	2×10^7 cycles
Operating mode	100% operating factor
Degree of protection	IP20

Connection data for connection 1

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

Connection data for connection 2

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Technical data

Connection data for connection 2

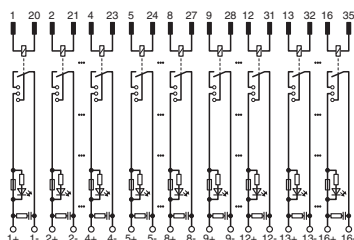
Connection name	Field level
Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section solid	0.2 mm ² ... 4 mm ²
Conductor cross section flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross section AWG	24 ... 12
Number of connections	32

Supported controller

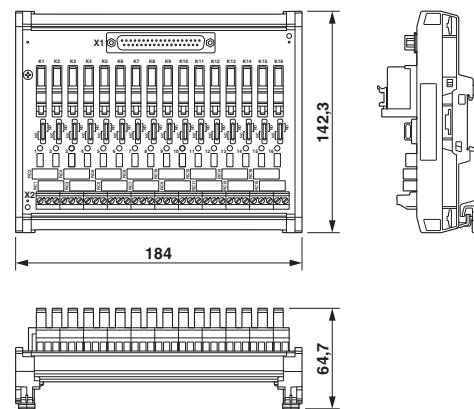
Corresponding control	Honeywell Experion PKS C300
Corresponding I/O card	CX-TDOB1
	CX-TDOB11
	CX-TDOB51
	CX-TDOB61
	8X-TDODA1
	8X-TDODB1

Drawings

Circuit diagram



Dimensional drawing



Dimensional drawing of right-hand version

Classifications

eCl@ss

eCl@ss 4.0	27371104
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Classifications

eCl@ss

eCl@ss 4.1	27371104
eCl@ss 5.0	27371001
eCl@ss 5.1	27371001
eCl@ss 6.0	27371001
eCl@ss 7.0	27371601
eCl@ss 8.0	27371601
eCl@ss 9.0	27371601

ETIM

ETIM 2.0	EC000196
ETIM 3.0	EC000196
ETIM 4.0	EC000196
ETIM 5.0	EC001437

UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121515
UNSPSC 11	39121515
UNSPSC 12.01	39121515
UNSPSC 13.2	39121515

Approvals

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UL Recognized / cUL Recognized / cULus Recognized


Ex Approvals


Approval details

UL Recognized  http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 238705

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cULus Recognized  <http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm>

Accessories

Accessories

System cable

Cable - CABLE-D37SUB/B/B/ 100/KONFEK/S - 2305509



Assembled shielded round cable with 1 x D-SUB socket strip (37-position) on 1 x D-SUB socket strip (37-position), Cable length: 1 m

Cable - CABLE-D37SUB/B/B/ 200/KONFEK/S - 2305512



Assembled shielded round cable with 1 x D-SUB socket strip (37-position) on 1 x D-SUB socket strip (37-position), Cable length: 2 m

Cable - CABLE-D37SUB/B/B/ 300/KONFEK/S - 2305525



Assembled shielded round cable with 1 x D-SUB socket strip (37-position) on 1 x D-SUB socket strip (37-position), Cable length: 3 m

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Accessories

Cable - CABLE-D37SUB/B/B/ 400/KONFEK/S - 2900759



Assembled shielded round cable with 1 x D-SUB socket strip (37-position) on 1 x D-SUB socket strip (37-position), Cable length: 4 m

Cable - CABLE-D37SUB/B/B/ 600/KONFEK/S - 2900760



Assembled shielded round cable with 1 x D-SUB socket strip (37-position) on 1 x D-SUB socket strip (37-position), Cable length: 6 m

Cable - CABLE-D37SUB/B/B/ 800/KONFEK/S - 2900761



Assembled shielded round cable with 1 x D-SUB socket strip (37-position) on 1 x D-SUB socket strip (37-position), Cable length: 8 m

Cable - CABLE-D37SUB/B/B/1000/KONFEK/S - 2900762



Assembled shielded round cable with 1 x D-SUB socket strip (37-position) on 1 x D-SUB socket strip (37-position), Cable length: 10 m

Cable - CABLE-D37SUB/B/B/1500/KONFEK/S - 2900763



Assembled shielded round cable with 1 x D-SUB socket strip (37-position) on 1 x D-SUB socket strip (37-position), Cable length: 15 m

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Accessories

Cable - CABLE-D37SUB/B/B/2000/KONFEK/S - 2900764



Assembled shielded round cable with 1 x D-SUB socket strip (37-position) on 1 x D-SUB socket strip (37-position), Cable length: 20 m

Necessary add-on products

Front adapters - FLKM-PA-D37/HW/DIO/C300 - 2901423



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

Spare parts

Single relay - REL-MR- 24DC/21 - 2961105



Plug-in miniature power relay, with power contact, 1 PDT, input voltage 24 V DC

Fuse - FUSE/TE5/3.15A/F-10PCS - 2906442



Plug-in fuse (TE5[®]); nominal current: 3.15 A; tripping behavior: fast-blow (F)