

Active module - UM-D37M/16RSC-24DC/DO/C300/R - 2905196

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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

Why buy this product

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



Key Commercial Data

| | |
|--------------------------------------|---|
| Packing unit | 1 STK |
| GTIN |  4 055626 076997 |
| GTIN | 4055626076997 |
| 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 |
|-------------------------|---|

Dimensions

| | |
|-------|--------|
| Width | 184 mm |
|-------|--------|

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Dimensions

| | |
|--------|----------|
| Height | 142.3 mm |
| Depth | 64.7 mm |

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 |

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Connection data for connection 1

| | |
|-----------------------|----|
| Number of connections | 1 |
| Number of positions | 37 |

Connection data for connection 2

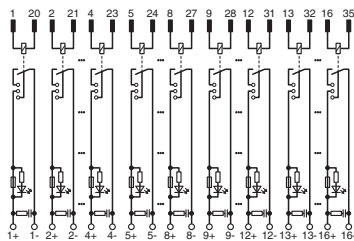
| | |
|----------------------------------|---|
| Connection name | Field level |
| Connection method | Screw connection |
| Stripping length | 8 mm |
| Screw thread | M3 |
| Conductor cross section solid | 0.2 mm ² ... 4 mm ² |
| Conductor cross section flexible | 0.2 mm ² ... 2.5 mm ² |
| Conductor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

Supported controller

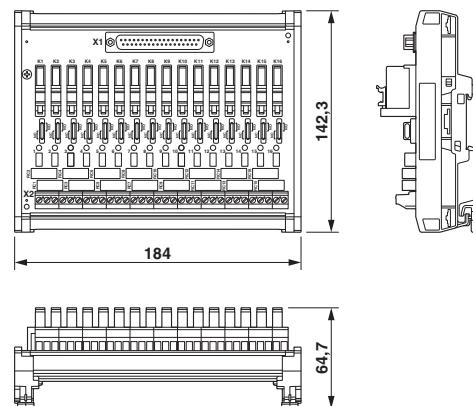
| | |
|------------------------|--------------------------------------|
| Corresponding control | HONEYWELL Experion PKS C300/C-Series |
| Corresponding I/O card | TDOB01 |
| | TDOB11 |
| | TDOB51 |
| | TDOB61 |
| | TDODA1 |
| | TDODB1 |

Drawings

Circuit diagram



Dimensional drawing



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Approvals


Approvals


Approvals

EAC / UL Recognized / cUL Recognized / cULus Recognized

Ex Approvals

Approval details

| | | | |
|-----|---|--|--------------------------|
| EAC |  | | RU C- DE.A*30.B.01742 |
|-----|---|--|--------------------------|

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