

Impact67 PN DIO16 M12L 5P

ProfiNet, Compact module,

Digital inputs/outputs  
DIO16 (IRT)  
Ethernet 10/100 Mbit/s; M12, D-coded  
M12 Power, 5-pole, L-coded  
M12, 5-pole, A-coded  
Connection cables are in the online shop under "Connection Technology".  
Housing fully potted.  
mounting compatible with I/O modules of the MVK series

Link to Product

Illustration



Product may differ from Image



| Commercial data          |               |
|--------------------------|---------------|
| ECLASS-6.0               | 27242604      |
| ECLASS-6.1               | 27242604      |
| ECLASS-7.0               | 27242604      |
| ECLASS-8.0               | 27242604      |
| ECLASS-9.0               | 27242604      |
| ECLASS-10.1              | 27242604      |
| ECLASS-11.1              | 27242604      |
| ECLASS-12.0              | 27242604      |
| ETIM-5.0                 | EC001599      |
| customs tariff number    | 85389099      |
| GTIN                     | 4048879778657 |
| Packaging unit           | 1             |
| Electrical data   Supply |               |
| Norm operating voltage   | EN 61131-2    |
| Operating voltage US DC  | 24 V          |
| Operating voltage UA DC  | 24 V          |
| Total current UA max.    | 16 A          |

|                       |      |
|-----------------------|------|
| Total current US max. | 16 A |
|-----------------------|------|

**Electrical data | Input**

|                                  |                                                |
|----------------------------------|------------------------------------------------|
| Overload resistant               | yes                                            |
| Short-circuit protected          | yes                                            |
| Type input                       | PNP, for 3-wire sensors or mechanical switches |
| Sensor current US per input max. | 0,2 A                                          |

**Electrical data | Output**

|                             |       |
|-----------------------------|-------|
| Overload resistant          | yes   |
| Short-circuit protected     | yes   |
| Output current per pin max. | 1,6 A |
| Lamp load                   | 10 W  |
| Total current output max.   | 9 A   |

**Industrial communication**

|                    |          |
|--------------------|----------|
| Supported protocol | PROFINET |
|--------------------|----------|

**Industrial communication | Profinet**

|                                                   |       |
|---------------------------------------------------|-------|
| Number of active connections (IO controller) max. | 2     |
| FSU (Fast-Start-Up)                               | yes   |
| Fast start up time max.                           | 0,5 s |
| IRT (network communication)                       | yes   |
| PROFINET Netload Class                            | III   |
| PROFINET addressing                               | DCP   |
| PROFINET conformance class                        | C     |
| PROFINET specification                            | V2.3  |
| Shared device/input                               | yes   |

**Diagnostics**

|                    |                                  |
|--------------------|----------------------------------|
| Actuator warning   | per channel via LED and BUS      |
| Diagnostic         | No voltage, Under voltage        |
| Diagnostic via BUS | per module and channel           |
| Diagnostic via LED | per module and channel           |
| LED display        | Ethernet connection/data traffic |
| Cable break        | per port                         |

**Device protection | Electrical**

|                                     |      |
|-------------------------------------|------|
| Degree of protection (EN IEC 60529) | IP67 |
|-------------------------------------|------|

**Mechanical data | Mounting data**

|                            |                       |
|----------------------------|-----------------------|
| Suitable for mounting type | 2-hole screw mounting |
| Height                     | 37 mm                 |
| Width                      | 63 mm                 |
| Depth                      | 225 mm                |

**Environmental characteristics | Climatic**

|                            |        |
|----------------------------|--------|
| Operating temperature min. | -25 °C |
| Operating temperature max. | 55 °C  |
| Storage temperature min.   | -25 °C |
| Storage temperature max.   | 70 °C  |

**Connection type 4**

|                          |          |
|--------------------------|----------|
| Connection type 1        | X4-X7    |
| Connection type 2        | XD1      |
| Connection type 3        | XD2      |
| Connection type 4        | XF1, XF2 |
| Family construction form | M12      |
| Gender                   | female   |

|                          |                   |
|--------------------------|-------------------|
| Color contact carrier    | black             |
| Coding                   | A                 |
| No. of poles             | 5                 |
| PIN 1                    | 24 V DC           |
| PIN 2                    | DI / DO           |
| PIN 3                    | 0 V               |
| PIN 4                    | DI / DO           |
| PIN 5                    | PE                |
| Family construction form | M12               |
| Gender                   | male              |
| Color contact carrier    | black             |
| Coding                   | L                 |
| No. of poles             | 5                 |
| PIN 1                    | 24 V DC (US)      |
| PIN 2                    | 0 V               |
| PIN 3                    | 0 V               |
| PIN 4                    | 24 V DC (UA)      |
| PIN 5                    | PE                |
| Family construction form | M12               |
| Gender                   | female            |
| Color contact carrier    | black             |
| Coding                   | L                 |
| No. of poles             | 5                 |
| PIN 1                    | 24 V DC (US)      |
| PIN 2                    | 0 V               |
| PIN 3                    | 0 V               |
| PIN 4                    | 24 V DC (UA)      |
| PIN 5                    | PE                |
| Mounting method          | inserted, screwed |
| Tightening torque        | 0,6 Nm            |
| Family construction form | M12               |
| Gender                   | female            |
| Color contact carrier    | black             |
| Coding                   | D                 |
| No. of poles             | 4                 |
| PIN 1                    | TD +              |
| PIN 2                    | RD +              |
| PIN 3                    | TD -              |
| PIN 4                    | RD -              |