

**IMPACT67 PN DI16 M12L 4P galvanic separation**

PROFINET, compact module

Art.No.: 55153

Weight: 0.486

Country of origin: DE

Model designation: IMPACT67 PN DI16 M12L 4P

Digital inputs

M12 power, 4-pin, L-coded, 2x max. 12 A

DI16 (IRT)

Ethernet 10/100 Mbit/s; M12, D-coded

M12, 5-pole, A-coded

FSU (Fast-Start-Up)

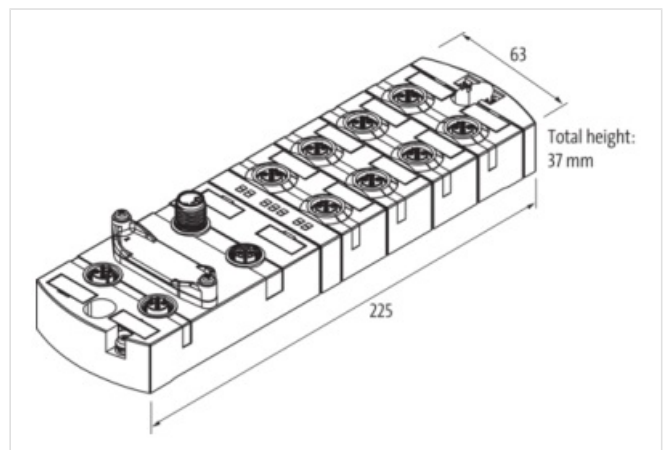
Galvanic isolation

Connection cables are in the online shop under "Connection Technology".

Housing fully potted.

**Link to Product****Illustration**

Product may differ from Image

**Commercial data**

|               |                                                                                           |
|---------------|-------------------------------------------------------------------------------------------|
| URL Webshop   | <a href="https://shop.murrelektronik.com/55153">https://shop.murrelektronik.com/55153</a> |
| GTIN          | 4048879852234                                                                             |
| ECLASS-6.1    | 27242604                                                                                  |
| ECLASS-7.0    | 27242604                                                                                  |
| ECLASS-7.1    | 27242604                                                                                  |
| ECLASS-8.0    | 27242604                                                                                  |
| ECLASS-8.1    | 27242604                                                                                  |
| ECLASS-9.0    | 27242604                                                                                  |
| ECLASS-9.1    | 27242604                                                                                  |
| ECLASS-10.0.1 | 27242604                                                                                  |
| ECLASS-10.1   | 27242604                                                                                  |
| ECLASS-11.0   | 27242604                                                                                  |
| ECLASS-11.1   | 27242604                                                                                  |

|             |               |
|-------------|---------------|
| ECLASS-12.0 | 27242604      |
| ECLASS-13.0 | 27242604      |
| ECLASS-14.0 | 27242604      |
| EAN         | 4048879852234 |

**Electrical data | Supply**

|                         |            |
|-------------------------|------------|
| Norm operating voltage  | EN 61131-2 |
| Operating voltage US DC | 24 V       |
| Total current US max.   | 12 A       |
| Total current UA max.   | 12 A       |

**Electrical data | Input**

|                                  |                                                |
|----------------------------------|------------------------------------------------|
| Sensor current US per input max. | 0.2 A                                          |
| Short-circuit protected          | yes                                            |
| Overload resistant               | yes                                            |
| Type input                       | for 3-wire sensors or mechanical switches, PNP |

**Industrial communication**

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

**Industrial communication | Profinet**

|                                                   |       |
|---------------------------------------------------|-------|
| PROFINET conformance class                        | C     |
| PROFINET addressing                               | DCP   |
| PROFINET Netload Class                            | III   |
| PROFINET specification                            | V2.3  |
| IRT (network communication)                       | yes   |
| FSU (Fast-Start-Up)                               | yes   |
| Fast start up time max.                           | 0.5 s |
| Shared device/input                               | yes   |
| Number of active connections (IO controller) max. | 2     |

**Diagnostics**

|                    |                                  |
|--------------------|----------------------------------|
| Actuator warning   | per channel via LED and BUS      |
| Cable break        | per port                         |
| 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 |

**Device protection | Electrical**

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

**Mechanical data | Mounting data**

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

**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 | X0-X7    |
| Connection type 2 | XD1      |
| Connection type 3 | XD2      |
| Connection type 4 | XF1, XF2 |

|                          |                   |
|--------------------------|-------------------|
| Family construction form | M12               |
| No. of poles             | 5                 |
| Coding                   | A                 |
| Gender                   | female            |
| Color contact carrier    | black             |
| PIN 1                    | 24 V DC (US)      |
| PIN 2                    | DI                |
| PIN 3                    | 0 V (US)          |
| PIN 4                    | DI                |
| PIN 5                    | PE                |
| Family construction form | M12               |
| No. of poles             | 5                 |
| Coding                   | L                 |
| Gender                   | male              |
| Color contact carrier    | black             |
| PIN 1                    | 24 V DC (US)      |
| PIN 2                    | 0 V (UA)          |
| PIN 3                    | 0 V (US)          |
| PIN 4                    | 24 V DC (UA)      |
| PIN 5                    | n.c.              |
| Family construction form | M12               |
| No. of poles             | 4                 |
| Coding                   | L                 |
| Gender                   | female            |
| Color contact carrier    | black             |
| PIN 1                    | 24 V DC (US)      |
| PIN 2                    | 0 V (UA)          |
| PIN 3                    | 0 V (US)          |
| PIN 4                    | 24 V DC (UA)      |
| Family construction form | M12               |
| No. of poles             | 4                 |
| Coding                   | D                 |
| Gender                   | female            |
| Color contact carrier    | black             |
| Mounting method          | inserted, screwed |
| Tightening torque        | 0.6 Nm            |
| PIN 1                    | TD +              |
| PIN 2                    | RD +              |
| PIN 3                    | TD -              |
| PIN 4                    | RD -              |

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