

**Impact67 PN DIO14 DIO2/IOL2 M12L 4P**

ProfiNet, Compact module,

Digital inputs/outputs

DIO14 IOL2 (IRT)

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

M12 Power, 4-pole, L-coded

M12, 5-pole, A-coded

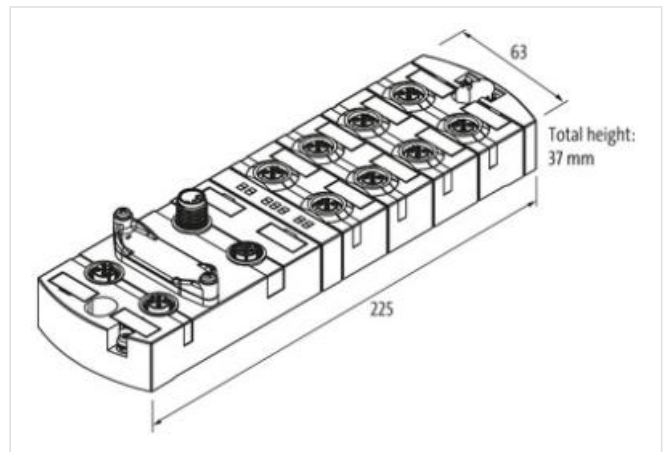
IO-Link Master V1.1.2

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

Housing fully potted.

**[Link to Product](#)****Illustration**

Product may differ from Image

**General data**

|                   |                                                                       |
|-------------------|-----------------------------------------------------------------------|
| Mounting method   | 2-hole screw mounting, compatible with I/O modules of MVK model range |
| Temperature range | -25...+55 °C (storage temperature -25...+70 °C)                       |
| Protection        | IP67                                                                  |
| Dimensions HxWxD  | 37x63x225 mm                                                          |

**Output**

|                              |                                                   |
|------------------------------|---------------------------------------------------|
| Lamp load                    | 10 W                                              |
| Actuator supply UA           | 24 V DC (EN 61131-2), max. 9 A                    |
| Switching current per output | max. 1.6 A (short-circuit and overload protected) |

**Input**

|                  |                                                                                                                |
|------------------|----------------------------------------------------------------------------------------------------------------|
| Sensor supply US | 24 V DC (EN 61131-2), max. 200 mA (M12 female)/max. 1 A (IO-Link female), short-circuit and overload protected |
| Type             | for 3-wire sensors or mechanical switches, PNP, IO-Link Devices                                                |

**IO-Link**

|                     |                                             |
|---------------------|---------------------------------------------|
| Port Class          | Class B (not galvanically separated)        |
| IO-Link             | 2x Master                                   |
| Transfer parameters | 32 Byte (In) 32 Byte (Out) per IO-Link port |

Operating modes COM1; COM2; COM3 (automatic)

#### Parameterization

|       |                                                                       |
|-------|-----------------------------------------------------------------------|
| PIN 4 | Input/Output (port X0...X7); IO-Link Master (port X6, X7)             |
| PIN 2 | Input/Output (port X0...X7); U-Actuator IO-Link Class B (port X6, X7) |

#### Connections

|                               |                                          |
|-------------------------------|------------------------------------------|
| Fieldbus                      | Ethernet 10/100 Mbit/s; M12, D-coded     |
| Sensor-system/actuator supply | M12 Power, 4-pole, L-coded, 2× max. 16 A |
| I/O ports                     | M12, 5-pole, A-coded                     |

#### PROFINET

|                        |                                 |
|------------------------|---------------------------------|
| Specification          | V2.3, Conformance Class C (IRT) |
| Addressing             | DCP                             |
| FSU (Fast-Start-Up)    | max. 500 ms                     |
| PROFINET Netload Class | III                             |
| Shared Device          | yes, for 2 controls             |

Product article number of manufacturer 55151

#### Diagnostic

|                            |                             |
|----------------------------|-----------------------------|
| Communication status       | via LED                     |
| Diagnostic via LED         | per module and channel      |
| Diagnostic via BUS         | per module and channel      |
| Actuator warning           | per channel via LED and BUS |
| Monitoring - under voltage | yes                         |
| Monitoring - no voltage    | yes                         |
| Cable break                | per port                    |