

# Compact67



## Description

The Compact 67 I/O modules for fieldbus provide a reliable solution for connecting industrial controllers to I/O devices in harsh environments.

Compact67 I/O modules with IP67 housing can be standardized installation, and operate in harsh dust, underwater, and vibration condition. These features make them ideally suited for many applications, such as material handling equipment and automated assembly machinery etc.

The functions of supporting PNP and NPN signal input, embedded bright LED diagnosis help maintenance personnel to easily judge I/O, module and network status.

## Features

- Classic design realizes space savings for directly mounting to machine
- Fast and reliable plug and socket connection MiniChange (7/8"), MicroChange (M12)
- Support PNP and NPN input
- Free selection I/O configuration
- LED status indication
- Online diagnosis of modules and channels

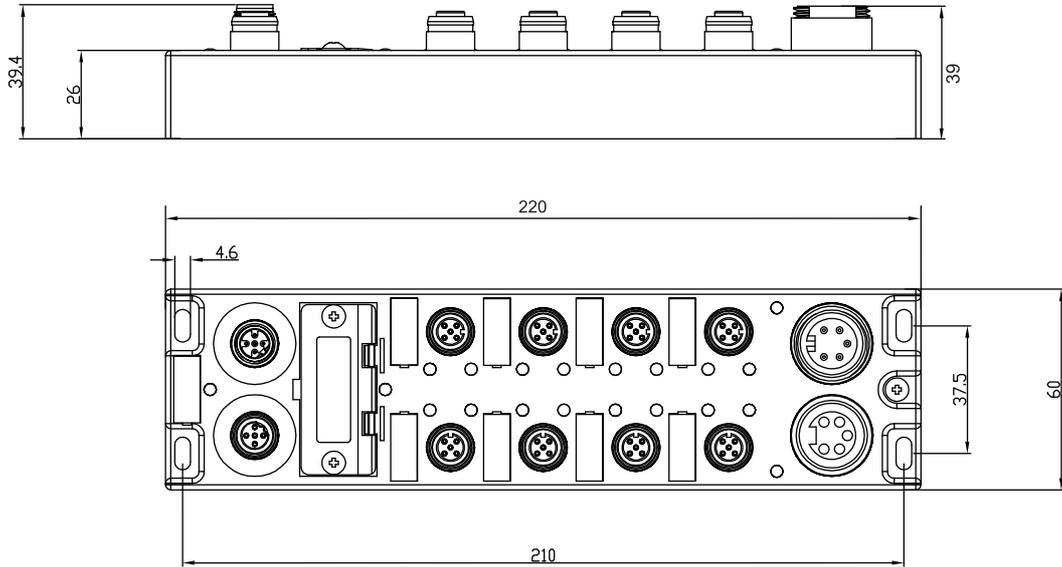
## Profibus Modules

- Integrated structure design
- Free selection input and output channels
- Short-circuit and overload protection

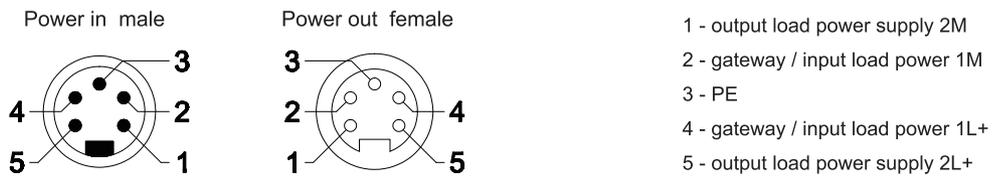


| Ordering data                         |  |                                   |   |
|---------------------------------------|--|-----------------------------------|---|
| Type                                  | FCDP-1600P-M12   | FCDP-0808P-M12                    | FCDP-16UP-M12                                 |
| I/O Configurations                    | 16 input<br>PNP, 8 x M12   | 8 input+8 output,<br>PNP, 8 x M12 | 16 configurable input/output,<br>PNP, 8 x M12 |
| Fieldbus                              |  |                                   |   |
| Transfer protocol                     | Profibus-DP  |                                   |   |
| Operating mode                        | Sync- and freeze mode are support                                    |                                   |   |
| Transfer rate                         | 9.6Kbps...12Mbps   |                                   |   |
| Address settings                      | 1...125, rotary switch   |                                   |   |
| Power supply                          |  |                                   |   |
| Supply voltage                        | 24 VDC (18...30V)  |                                   |   |
| Module consumption current            | Max. 200 mA  |                                   |   |
| Output supply current                 | Total max. 8 A   |                                   |   |
| Electrical isolation                  | Module / Ui and Uo voltage isolation                                 |                                   |   |
| Port type                             |  |                                   |   |
| Power supply                          | 2 x 7/8" 5pin, male+female   |                                   |   |
| Bus communication                     | 2 x M12 B-code 5pin, male+female                                     |                                   |   |
| Signal connection                     | 8 x M12 A-code 4pin, female  |                                   |   |
| Electrical parameters                 |  |                                   |   |
| Number of input channels              | 16   | 8                                 | Max.16  |
| Input supply current                  | Max.200 mA per channel   |                                   |   |
| Input signal type                     | PNP sensor, stroke switch, dry contact, etc.                         |                                   |   |
| Input delay                           | 2.5 ms   |                                   |   |
| Number of output channels             | -  | 8                                 | Max.16  |
| Output rated current                  | Max. 2 A per channel, total max. 8 A                                 |                                   |   |
| Output signal type                    | Indicator, miniature solenoid valve, etc.                            |                                   |   |
| Output switch frequency               | Resistive load 100 Hz, inductive load 5 Hz                           |                                   |   |
| Diagnostics                           |  |                                   |   |
| Communication status                  | LED indicator, communication message                                 |                                   |   |
| Supply monitoring                     | Yes, low voltage alarm   |                                   |   |
| Short-circuit and overload protection | Yes, LED indicator   |                                   |   |
| General data                          |  |                                   |   |
| Protection class                      | IP67   |                                   |   |
| Temperature range                     | Operating temperature -25...+70 °C, storage temperature -40...+85 °C |                                   |   |
| Mounting method                       | 4-hole screw mounting  |                                   |   |
| Dimensions                            | 60 x 220 x 39 mm   |                                   |   |

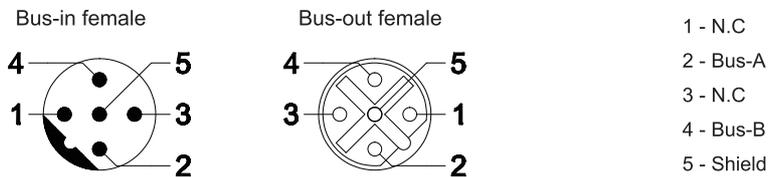
Dimensions



Power port diagram



Bus port diagram



Signal port diagram

