

## MVK I/O COMPACT MODULE, METAL

Profibus DP, 8 safety dig. Out/ 8 multif. channels

Digital inputs/outputs

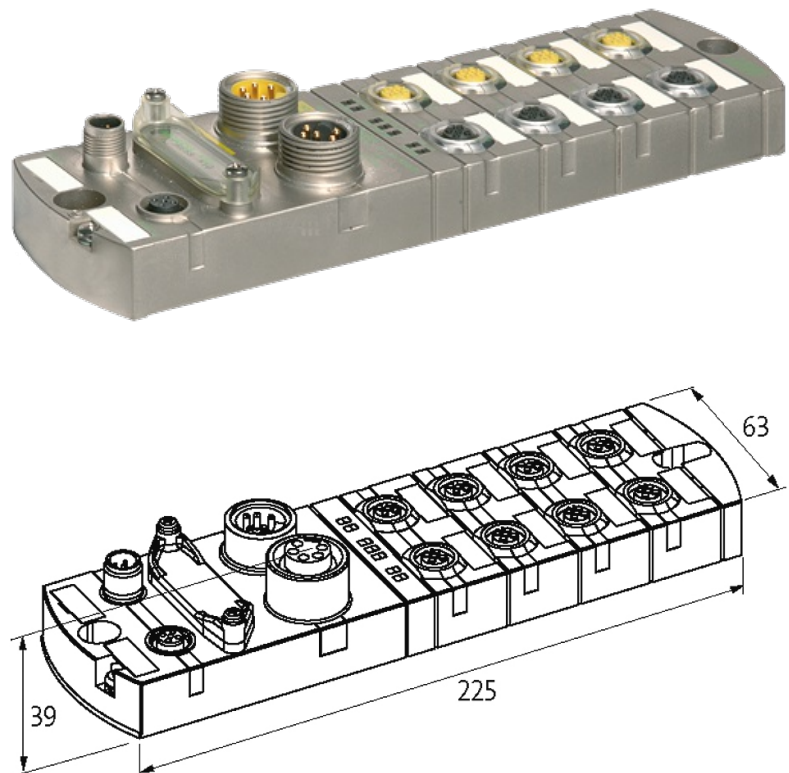
output groups up to PLd (EN ISO 13849-1) can be switched off via safety relays  
K3 DO4 (DO4) DIO4 (DIO4)

Housing fully potted.



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### Illustration



Product may differ from Image

### Approvals



### More Info



### Input

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

### Connections

|                               |  |
|-------------------------------|--|
| Fieldbus                      | M12, B-coded   |
| I/O ports                     | M12, A-coded, 5-pole   |
| Sensor-system/actuator supply | 7/8", 5-pole, max. 9 A, safe circuits (1 + 2) via separate 7/8" supply (yellow), 2-pole disconnectable |

### Fieldbus

|                   |                                     |
|-------------------|-------------------------------------|
| Operating voltage | 24 V DC (EN 61131-2)                |
| Operating modes   | Sync- and freeze mode are supported |
| Transfer rate     | to 12 Mbit/s                        |
| Addressing        | Rotary switch 1...99                |

### General data

|                      |   |
|----------------------|---|
| Protection           | IP67  |
| Mounting method      | 2-hole screw mounting                         |
| Temperature range    | 0...+55 °C (storage temperature -20...+70 °C) |
| Dimensions H × W × D | 39×63×225 mm                                  |

### Output

|                              |   |
|------------------------------|---|
| Actuator supply UA           | 24 V DC (EN 61131-2), 3 circuits, (max. 9 A)      |
| Switching current per output | max. 1.6 A (short-circuit and overload protected) |
| Lamp load                    | 10 W  |

### Safe output

|                                  |   |
|----------------------------------|---|
| Switching current by safe output | max. 2 A short-circuit and overload protected, (EN13849-1) PLd          |
| M12-(yellow) PIN 4               | 2 safety circuits (UA1/UA2) with 2 digital outputs each (EN13849-1) PLd |
| M12-(yellow) PIN 2               | 2 safety circuits (UA1/UA2) with 2 digital outputs each (EN13849-1) PLd |

### Parameterization

|       |                             |
|-------|-----------------------------|
| PIN 4 | 4 × input/output            |
| PIN 2 | 4 × input/output/diagnostic |

### Diagnostic

|                      |                        |
|----------------------|------------------------|
| Communication status | via LED                |
| Diagnostic via LED   | per module and channel |
| Diagnostic via BUS   | per module and channel |

|                            |                             |
|----------------------------|-----------------------------|
| Monitoring - under voltage | yes                         |
| Monitoring - no voltage    | yes                         |
| Short circuit and overload | yes                         |
| Actuator warning           | per channel via LED and BUS |
| Cable break                | per port                    |

**Commercial data**

|                        |               |
|------------------------|---------------|
| country of origin      | DE            |
| customs tariff number  | 85389099      |
| EAN                    | 4048879051606 |
| eClass                 | 27143423      |
| minimum order quantity | 1             |