

## MA5I68 I/O EXTENSION MODULE

8 digital Outputs passive safety K3

Expansion module

DO8 - 0.5 A - 4× M12 (AB) (K3)

Output groups up to PLd (EN ISO 13849-1) can be switched off via safety relays

Double assignment of M12 females, PIN 2 + 4

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

Housing fully potted.

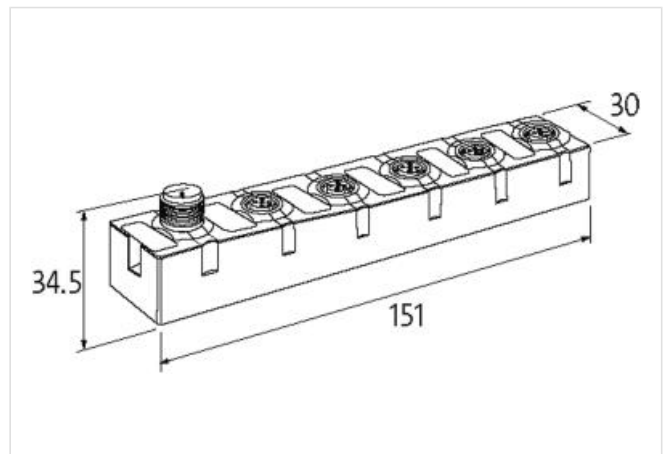
24 V DC external (18...30.2 V DC) EN 61131-2

### [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 | 85176200      |
| GTIN                  | 4048879378338 |
| Packaging unit        | 1             |

#### Electrical data | Supply

|                                    |        |
|------------------------------------|--------|
| Bus voltage AS-Interface DC min.   | 26,5 V |
| Bus voltage AS-Interface DC max.   | 31,6 V |
| Current consumption AS-i port max. | 250 mA |
| Total current max.                 | 4 A    |

#### Electrical data | Output

The information in this Product-PDF has been compiled with the utmost care.  
 Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-03

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|                                                 |                                               |
|-------------------------------------------------|-----------------------------------------------|
| Overload resistant                              | yes                                           |
| Short-circuit protected                         | yes                                           |
| Output current per pin max.                     | 0,5 A                                         |
| <b>Industrial communication   Bus data</b>      |                                               |
| Address setting type                            | M12 connection and programming device, Master |
| Slave address range                             | (0), 1 A...31 A, 1 B...31 B                   |
| <b>Industrial communication   AS-Interface</b>  |                                               |
| AS-i Power 24                                   | yes                                           |
| Profile (IO.ID.ID2)                             | S-7.A.7                                       |
| <b>Diagnostics</b>                              |                                               |
| Diagnostic                                      | No voltage                                    |
| Diagnostic via LED                              | per module                                    |
| LED display                                     | Ethernet connection/data traffic              |
| <b>Device protection   Electrical</b>           |                                               |
| Degree of protection (EN IEC 60529)             | IP68                                          |
| <b>Mechanical data   Mounting data</b>          |                                               |
| Mounting method                                 | screwed                                       |
| Height                                          | 151 mm                                        |
| Width                                           | 30 mm                                         |
| Depth                                           | 34,5 mm                                       |
| <b>Environmental characteristics   Climatic</b> |                                               |
| Operating temperature min.                      | -20 °C                                        |
| Operating temperature max.                      | 60 °C                                         |
| Storage temperature min.                        | -20 °C                                        |
| Storage temperature max.                        | 70 °C                                         |
| <b>Connection type 3</b>                        |                                               |
| Connection type 1                               | A-D                                           |
| Connection type 2                               | Bus In                                        |
| Connection type 3                               | Bus Out                                       |
| Family construction form                        | M12                                           |
| Gender                                          | female                                        |
| Color contact carrier                           | black                                         |
| Coding                                          | A                                             |
| No. of poles                                    | 5                                             |
| PIN 1                                           | n.c.                                          |
| PIN 2                                           | DO                                            |
| PIN 3                                           | 0 V                                           |
| PIN 4                                           | DO                                            |
| PIN 5                                           | FE                                            |
| Family construction form                        | M12                                           |
| Gender                                          | male                                          |
| Color contact carrier                           | black                                         |
| Coding                                          | A                                             |
| No. of poles                                    | 4                                             |
| PIN 1                                           | AS-i +                                        |
| PIN 2                                           | 0 V                                           |
| PIN 3                                           | AS-i -                                        |
| PIN 4                                           | 24 V DC                                       |
| Family construction form                        | M12                                           |
| Gender                                          | female                                        |
| Color contact carrier                           | black                                         |

|              |         |
|--------------|---------|
| Coding       | A       |
| No. of poles | 5       |
| PIN 1        | AS-i +  |
| PIN 2        | 0 V     |
| PIN 3        | AS-i -  |
| PIN 4        | 24 V DC |
| PIN 5        | n.c.    |