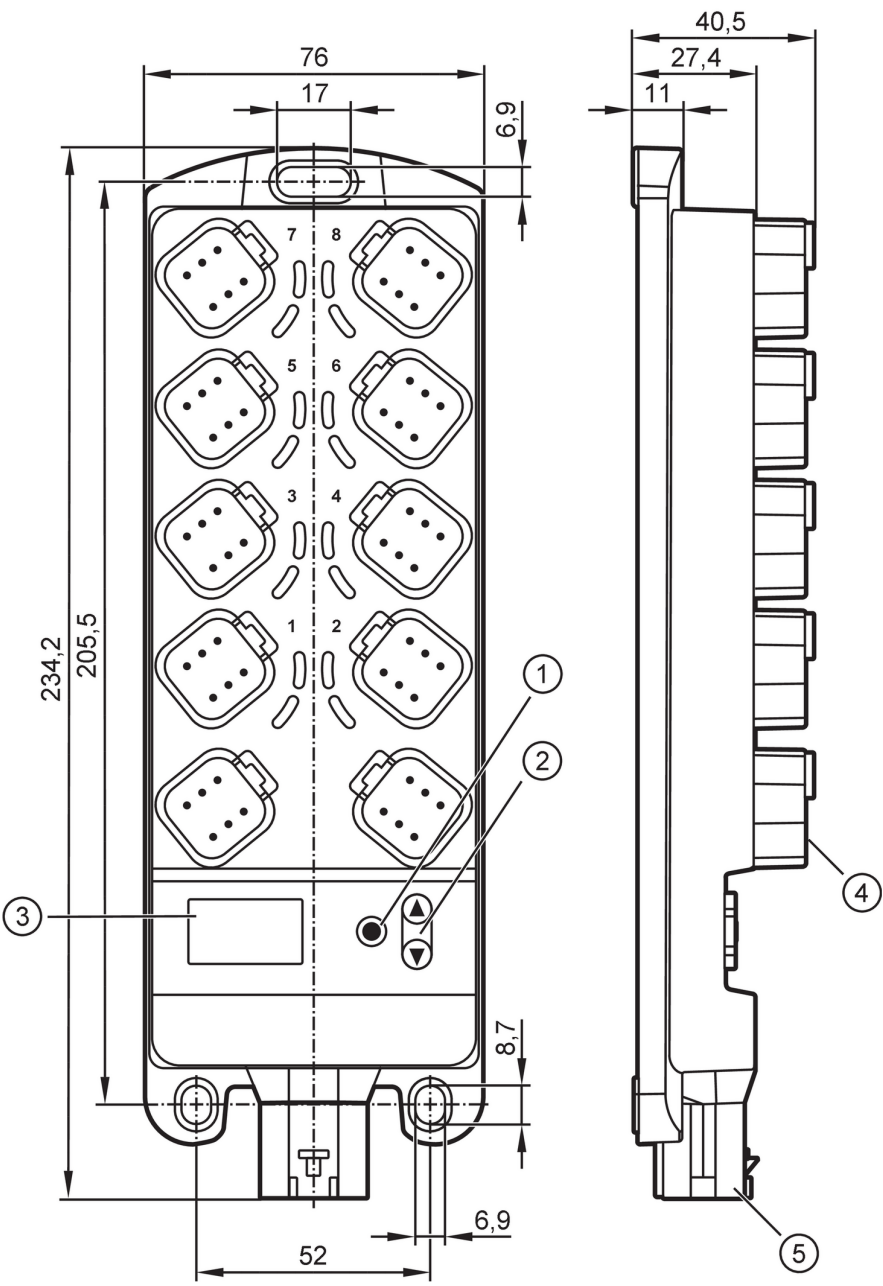




I/O modules for mobile machines

ioControl/In 16/DT6



- 1+2 Programming buttons
- 3 Display
- 4 DEUTSCH connector
- 5 AMP connector



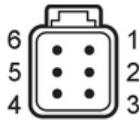
| Electrical data                    |                                                                                                                          |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Operating voltage [V]              | 8...32 DC                                                                                                                |
| Reverse polarity protection        | yes                                                                                                                      |
| Inputs / outputs                   |                                                                                                                          |
| Total number of inputs and outputs | 16                                                                                                                       |
| Number of inputs and outputs       | Number of digital inputs: 16; Number of analog inputs: 8;<br>Number of frequency inputs: 4; Number of resistor inputs: 4 |

# CR2050



## I/O modules for mobile machines

ioControl/In 16/DT6

| Inputs                                                                              |                  |                                           |
|-------------------------------------------------------------------------------------|------------------|-------------------------------------------|
| Total number of inputs                                                              |                  | 16                                        |
| Number of frequency inputs                                                          |                  | 4                                         |
| Number of resistor inputs                                                           |                  | 4                                         |
| Number of digital inputs                                                            |                  | 16                                        |
| Number of analog inputs                                                             |                  | 8                                         |
| Analog input (current)                                                              | [mA]             | 0...20                                    |
| Analog input (voltage)                                                              | [V]              | 0...32                                    |
| Outputs                                                                             |                  |                                           |
| Short-circuit protection                                                            |                  | yes                                       |
| Software / programming                                                              |                  |                                           |
| PLC function to IEC 61131-3                                                         |                  | yes                                       |
| Interfaces                                                                          |                  |                                           |
| Number of CAN interfaces                                                            |                  | 2                                         |
| Operating conditions                                                                |                  |                                           |
| Ambient temperature                                                                 | [°C]             | -40...85                                  |
| Storage temperature                                                                 | [°C]             | -40...85                                  |
| Protection                                                                          |                  | IP 65; IP 67                              |
| Tests / approvals                                                                   |                  |                                           |
| EMC                                                                                 | DIN EN 61000-6-2 |                                           |
|                                                                                     | DIN EN 61000-6-4 |                                           |
| MTTF                                                                                | [years]          | 100                                       |
| Mechanical data                                                                     |                  |                                           |
| Weight                                                                              | [g]              | 136.5                                     |
| Housing                                                                             |                  | rectangular                               |
| Type of mounting                                                                    |                  | Backplane mounting                        |
| Dimensions                                                                          | [mm]             | 234.2 x 76 x 40.5                         |
| Material                                                                            |                  | PA reinforced glass-fiber                 |
| Displays / operating elements                                                       |                  |                                           |
| Display                                                                             |                  | 10-segment LED display, red/green 4-digit |
| Remarks                                                                             |                  |                                           |
| Pack quantity                                                                       |                  | 1 pcs.                                    |
| Electrical connection - CAN interface 1                                             |                  |                                           |
| Connector: 2 x DEUTSCH connector                                                    |                  |                                           |
|  |                  |                                           |
| CAN IN                                                                              |                  |                                           |
| 1                                                                                   | GND_CAN          |                                           |
| 2                                                                                   | CAN1_H           |                                           |
| 3                                                                                   | V_CAN            |                                           |
| 4                                                                                   | V_CAN            |                                           |
| 5                                                                                   | CAN1_L           |                                           |
| 6                                                                                   | GND_CAN          |                                           |



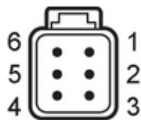
I/O modules for mobile machines

ioControl/In 16/DT6

| CAN OUT |         |
|---------|---------|
| 1       | GND_CAN |
| 2       | CAN1_H  |
| 3       | V_CAN   |
| 4       | V_CAN   |
| 5       | CAN1_L  |
| 6       | GND_CAN |

Electrical connection - Inputs

Connector: 8 x DEUTSCH connector

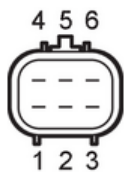


Con. 1...8

|   |       |
|---|-------|
| 1 | GND1  |
| 2 | Input |
| 3 | VBBS  |
| 4 | VBBS  |
| 5 | Input |
| 6 | GND1  |

Electrical connection - supply / CAN interface 2

Connector: 1 x AMP connector



X1

|   |        |
|---|--------|
| 1 | GND1   |
| 2 | CAN2_L |
| 3 | n.c.   |
| 4 | VBBs   |
| 5 | CAN2_H |
| 6 | n.c.   |