

# REM-102B8T-9D38B-H1151

## Absolute Rotary Encoder - Multiturn Industrial Line

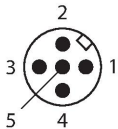
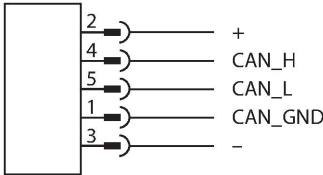
### Technical data

|                                           |                                                                                          |
|-------------------------------------------|------------------------------------------------------------------------------------------|
| Type                                      | REM-102B8T-9D38B-H1151                                                                   |
| ID                                        | 100011372                                                                                |
| General data                              |                                                                                          |
| Max. Rotational Speed                     | 4000 rpm                                                                                 |
| Repetition accuracy                       | ± 0.2 ° At 25 °C                                                                         |
| Absolute accuracy                         | ± 1 ° At 25 °C                                                                           |
| Output type                               | Absolute multiturn                                                                       |
| Electrical data                           |                                                                                          |
| Operating voltage                         | 10...30 VDC                                                                              |
| No-load current                           | 30 mA                                                                                    |
| Short-circuit protection                  | yes                                                                                      |
| Wire breakage/Reverse polarity protection | yes                                                                                      |
| Communication protocol                    | CANopen                                                                                  |
| Interface                                 | CAN High-Speed in accordance with ISO 11898, basic and full CAN, CAN specification 2.0 B |
| Node ID                                   | 1...127 mit Software konfigurierbar;Werkseinstellung: 63                                 |
| Baud rate                                 | 10...1000 kbps configurable with software                                                |
| Mechanical data                           |                                                                                          |
| Environmental conditions                  |                                                                                          |
| Ambient temperature                       | -40...+85 °C                                                                             |
| Protection class shaft                    | IP67                                                                                     |

### Features

- Protection class IP67 on housing and shaft side
- -40...+85 °C
- Max. 4000 rpm (continuous operation 2000 rpm)
- Energy harvesting technology
- 10...30 VDC
- CANopen
- M12 × 1 male connector, 5-pin
- Singleturn resolution 14 bit scalable, default 14 bit
- Multiturn resolution scalable up to 16 bit over total resolution
- Total resolution 32 bit scalable, default: 32 bit

### Wiring diagram



### Accessories

| Dimension drawing                                                                   | Type       | ID      |                                                                                                                                              |
|-------------------------------------------------------------------------------------|------------|---------|----------------------------------------------------------------------------------------------------------------------------------------------|
|  | FSM-2FKM57 | 6622101 | CANopen/DeviceNet/power supply T-splitter, 1 × M12 male connector, 2 × M12 female connector, 5-pin                                           |
|                                                                                     | RKC5701-5M | 6931034 | Bus cable for CAN (DeviceNet, -CANopen), M12 female connector, straight, cable length: 5 m, jacket material: PUR, anthracite; cULus approval |