

## Description

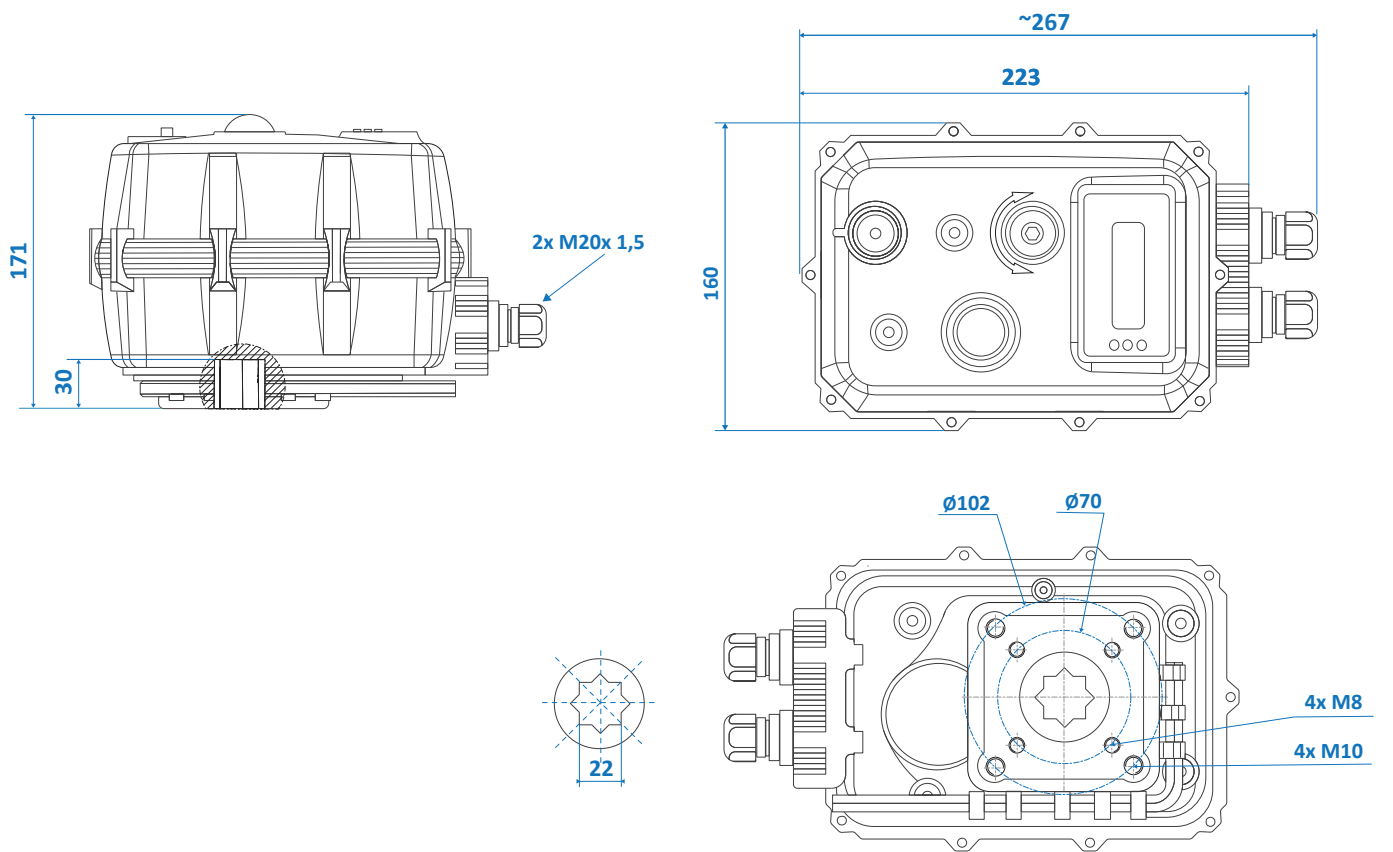
- » 200 Nm torque
- » Open/close with FAILSAFE
- » 1.3" OLED display
- » User friendly push button control
- » Standardized interfaces (ISO 5211, DIN 3337)
- » Brushless high performance motor
- » Overload protection
- » Visual position indicator
- » Integrated heating resistor 3 W
- » End position feedback open/close



## Technical data

| Electrical data      | Rated voltage            | 230V AC/DC                                                                          | 24V AC/DC             |
|----------------------|--------------------------|-------------------------------------------------------------------------------------|-----------------------|
|                      | Voltage range            | 95-265V AC / 100-300V DC                                                            | 20-26V AC / 22-30V DC |
|                      | Power consumption        | max. 50 W                                                                           |                       |
|                      | Peak current             | 0,22A @5ms @AC230V                                                                  | 2A @5ms @DC24V        |
|                      | Fuse                     | 2A                                                                                  | 5A                    |
| Functional data      | Rated torque             | 200 Nm                                                                              |                       |
|                      | Nominal angle            | 90° ±2°                                                                             |                       |
|                      | Max. angle               | 330° ±5°                                                                            |                       |
|                      | Manual override          | Currentless with allen key                                                          |                       |
|                      | Operating time (90°)     | approx. 25 seconds                                                                  |                       |
|                      | Operating mode           | S3-75% (AC) S3-85% (DC) - loading ≤85%<br>rated torque according to IEC60034-1-2017 |                       |
|                      | Position indicator       | Mechanical / Screen                                                                 |                       |
|                      | Electricity safety level | Class I                                                                             | Class III             |
|                      | Protection class         | IP67                                                                                |                       |
|                      | Insulation resistance    | 100MΩ / 1500V DC                                                                    | 100MΩ / 500V DC       |
|                      | Withstand voltage        | 1500V AC / 1 min                                                                    | 500V AC / 1 min       |
| Operating conditions | Mounting position        | Any mounting position                                                               |                       |
|                      | Temperature range        | -20° ... +60°C                                                                      |                       |
|                      | Storage temperature      | -40° ... +80°C                                                                      |                       |
|                      | Humidity                 | 5 ... 95%, non-condensing                                                           |                       |
|                      | Shock resistance         | ≤5g                                                                                 |                       |
|                      | Vibration                | 10 ... 55 Hz / 1,5 mm double amplitude                                              |                       |

Dimension drawing



| Ø Stem connection | Depth stem connection | ISO 5211 | Weight |
|-------------------|-----------------------|----------|--------|
| 22 mm             | 30 mm                 | F07/F10  | 6kg    |

Materials

|  |   |              |               |    |                            |               |
|--|---|--------------|---------------|----|----------------------------|---------------|
|  | 1 | Body         | Heatproof ABS | 6  | Wrench fixation            | Heatproof ABS |
|  | 2 | Screws       | 304           | 7  | Hexagon wrench             | Tool steel    |
|  | 3 | Manual shaft | 304           | 8  | Waterproof cable connector | Polyamide     |
|  | 4 | Oil seal     | NBR           | 9  | Lid seal                   | NBR           |
|  | 5 | Label        | PVC           | 10 | Terminal cover             | Heatproof ABS |

Type code

|                           |     |   |    |   |     |      |   |    |   |    |
|---------------------------|-----|---|----|---|-----|------|---|----|---|----|
| ESA                       | TCR | - | 20 | C | -KT | 0710 | S | 22 | H | 01 |
| Housing Variant           |     |   |    |   |     |      |   |    |   |    |
| Size/ Nominal torque      |     |   |    |   |     |      |   |    |   |    |
| Version                   |     |   |    |   |     |      |   |    |   |    |
| Special function          |     |   |    |   |     |      |   |    |   |    |
| ISO interfaces            |     |   |    |   |     |      |   |    |   |    |
| Stem connection           |     |   |    |   |     |      |   |    |   |    |
| Stem connection dimension |     |   |    |   |     |      |   |    |   |    |

Options

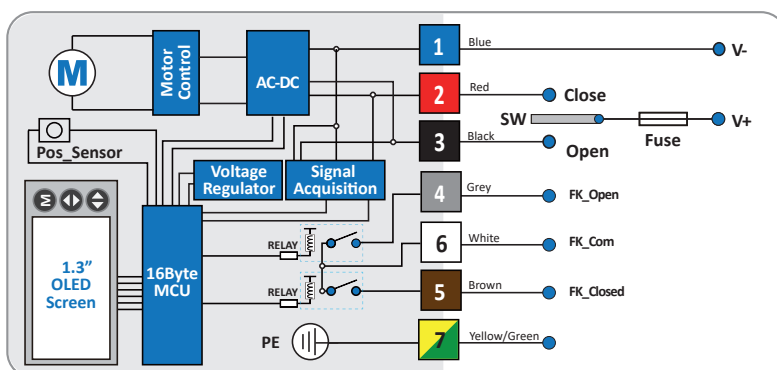
- 00: Connection via terminal strip
- 01: with attached plug and mating plug for soldering
- 02-xm: with attached cable end with length „x“ in meters

Supply voltage

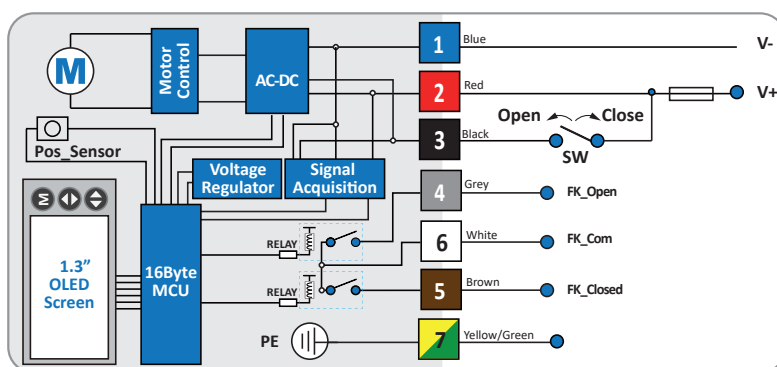
- L: 20 ... 26V AC / 22 ... 30V DC
- H: 95 ... 265V AC / 100 ... 300V DC

## Electric connection

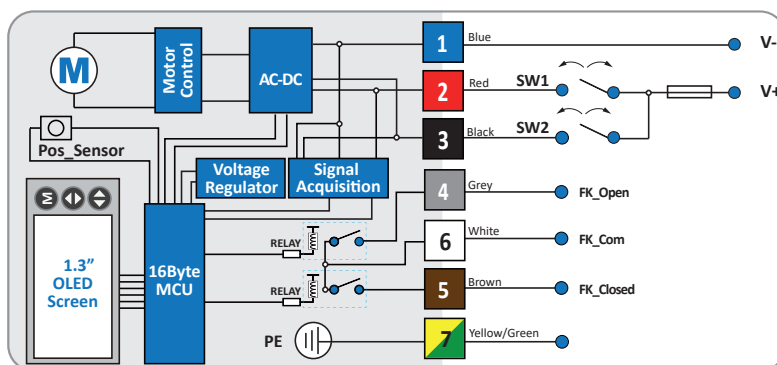
### Connection variant open/closed 3-point



### Connection variant open/closed 2-point



### Connection variant 3-Positions



### Connector pin assignment

