

# T15 ELECTRICAL ACTUATOR

## FEATURES

The ultra-compact T15 electric actuator is intended for motorising under on/off operation the ¼ turn valves with a torque of at most 10 Nm. It is supplied via 2 wires and return to position using a capacitor. With a compact construction and plastic housing, it is especially well suited for motorising small diameter ball valves. IP67 leak-tightness : for indoor use and possibly outdoors under shelter.

## AVAILABLE MODELS

Supply voltages : 230V AC and 12-24V AC-DC

## LIMITS OF USE

|                     |               |
|---------------------|---------------|
| IP Code             | IP 67         |
| Ambient temperature | -15°C / +50°C |
| Service factor      | S4 – 30%      |



## MECHANICAL FEATURES

|                   |                       |
|-------------------|-----------------------|
| Gear box          | treated steel pinions |
| Torque            | 15 Nm                 |
| Angle of rotation | 90° +/- 2°            |
| Manoeuvring time  | 12 s                  |
| ISO 5211:         | F03 / F05 – star 11   |
| Declutching       | Without               |
| Override control  | Using a hex key       |
| Weight            | 1.000 kg              |



## ELECTRICAL FEATURES

|                       |                       |               |
|-----------------------|-----------------------|---------------|
| Power                 | 230 V AC: 30 W        | 24 V AC: 20 W |
| Charging time         | 1 min 30 s            | 1 min 30 s    |
| Overheating           | Thermal protection    |               |
| Limit switches        | 2 adjustable switches |               |
| Auxiliary switches    | 2 dry contacts        |               |
| Anti-condensation     | Without               |               |
| Electrical connection | PE M12 + 1.5 m cable  |               |

Information given as an indication only, and subject to possible modifications



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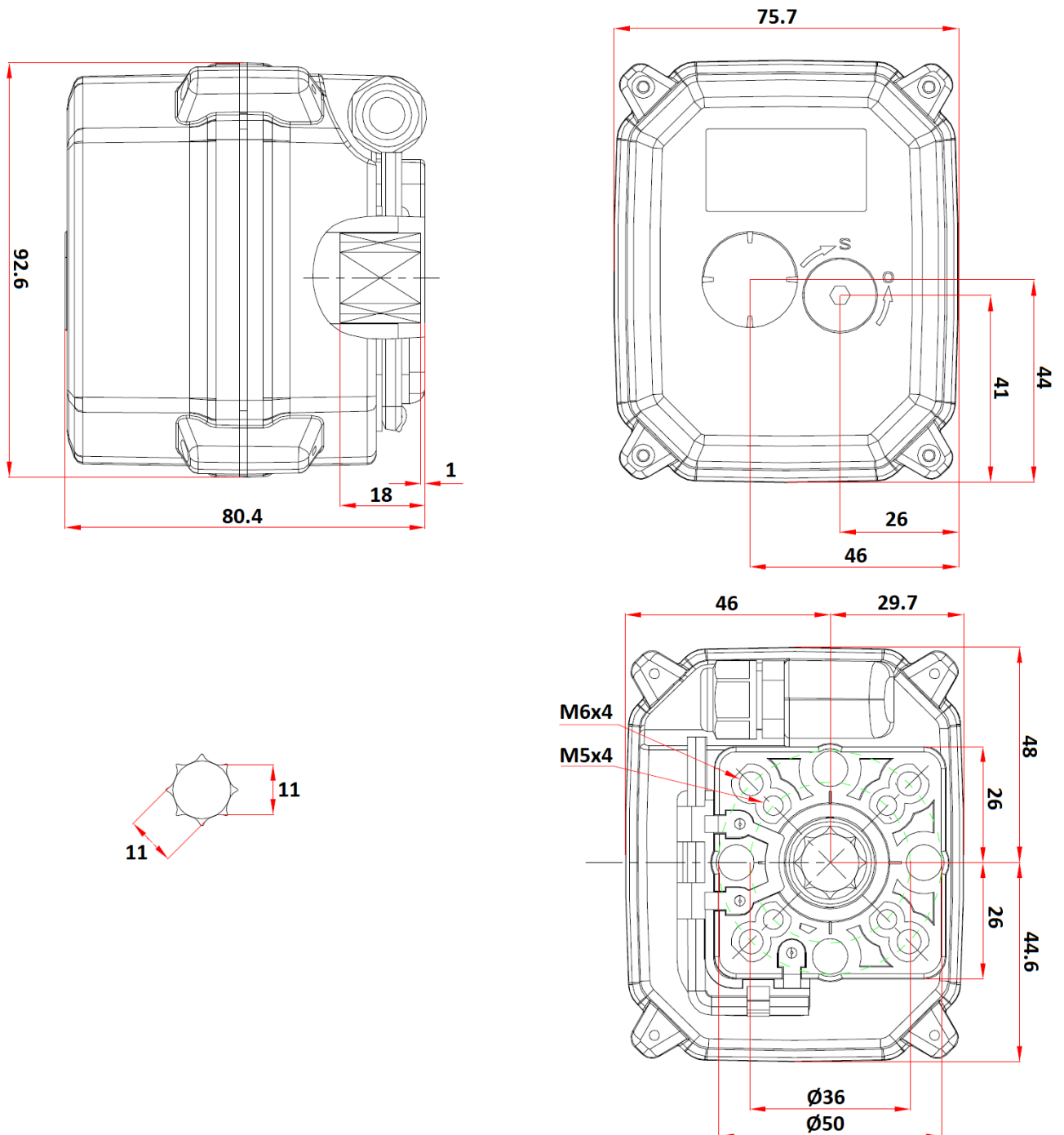
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| Ref.  | TDS2250 |
| Rev.  | 04      |
| Date  | 09/2025 |

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## CONSTRUCTION

|                  |               |                    |       |
|------------------|---------------|--------------------|-------|
| Housing          | PA Plastic    | Limit switch A     | Steel |
| Gear box         | Treated steel | Limit switch B     | Steel |
| ISO mounting pad | Steel         | Condenser          |       |
| Limit cams       | Steel         | Position indicator |       |

## DIMENSIONS (mm)



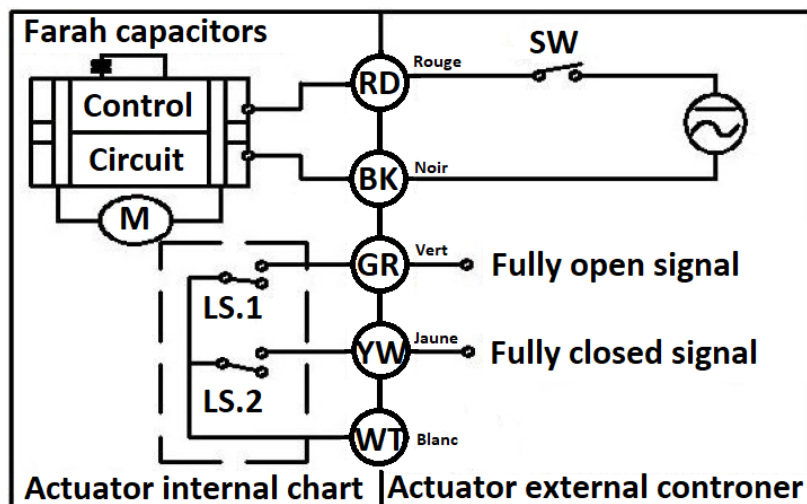
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|                                                                                     | Date                                                                                                                                                                                                                                 | 09/2025 |

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## WIRING DIAGRAM

|    | Wire   | Wiring               |
|----|--------|----------------------|
| RD | red    | Phase                |
| BK | black  | Common               |
| GR | Green  | Auxiliary switch "O" |
| YW | yellow | Auxiliary switch "F" |
| WT | White  | Common contact       |



## SWITCH SETTING

The cams are attached to the drive stem

2. Clockwise rotation = valve closing. The micro-switch stops the actuator.
3. Anti-clockwise rotation = valve opening. The micro-switch stops the actuator.

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|                                                                                     |                                                                                                                                                                                                                                                                                  |       |         |
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