



## TV8S 355-02Z-ST

- 2 cable entries M 20 x 1.5
- 1 Connector M12, 4-pole
- Metal enclosure
- Good resistance to oil and petroleum spirit
- Actuator heads can be repositioned by 4 x 90°
- 66,7 mm x 107 mm x 65,3 mm
- Actuator shaft can be turned 360°

## Data

### Ordering data

|                               |               |
|-------------------------------|---------------|
| EAN (European Article Number) | 4030661356594 |
| eCl@ss number, Version 9.0    | 27-27-06-09   |
| eCl@ss number, Version 11.0   | 27-27-06-09   |
| ETIM number, version 6.0      | EC002591      |
| ETIM number, version 7.0      | EC002591      |

### Approval - Standards

|              |       |
|--------------|-------|
| Certificates | cULus |
|              | CCC   |
|              | EAC   |

### General data

|                                      |           |
|--------------------------------------|-----------|
| Enclosure material                   | Aluminium |
| Enclosure coating material           | painted   |
| Material of the contacts, electrical | Silver    |

|              |       |
|--------------|-------|
| Gross weight | 348 g |
|--------------|-------|

### General data - Features

|                           |   |
|---------------------------|---|
| Number of safety contacts | 2 |
|---------------------------|---|

### Safety appraisal

|           |                                               |
|-----------|-----------------------------------------------|
| Standards | BG-GS-ET-15<br>EN ISO 13849-1<br>EN 60947-5-1 |
|-----------|-----------------------------------------------|

|              |            |
|--------------|------------|
| Mission Time | 20 Year(s) |
|--------------|------------|

### Safety appraisal - Safety outputs

|                                   |                       |
|-----------------------------------|-----------------------|
| B10d Normally-closed contact (NC) | 20,000,000 Operations |
|-----------------------------------|-----------------------|

### Mechanical data

|                             |                      |
|-----------------------------|----------------------|
| Actuating element           | Other                |
| Mechanical life, minimum    | 1,000,000 Operations |
| Positive break angle        | 7 °                  |
| Mounting hole for the Shaft | 8 mm                 |
| Positive break torque       | 0.6 Nm               |

### Mechanical data - Connection technique

|                    |               |
|--------------------|---------------|
| Terminal Connector | Connector M12 |
|--------------------|---------------|

### Mechanical data - Dimensions

|                  |         |
|------------------|---------|
| Length of sensor | 65.3 mm |
| Width of sensor  | 66.7 mm |
| Height of sensor | 107 mm  |

## Ambient conditions

|                              |        |
|------------------------------|--------|
| Degree of protection         | IP67   |
| Ambient temperature, minimum | -25 °C |
| Ambient temperature, maximum | +70 °C |

## Ambient conditions - Insulation value

|                                           |        |
|-------------------------------------------|--------|
| Rated insulation voltage $U_i$            | 50 V   |
| Rated impulse withstand voltage $U_{imp}$ | 0.8 kV |

## Electrical data

|                            |                       |
|----------------------------|-----------------------|
| Thermal test current       | 10 A                  |
| Utilisation category AC-15 | 50 VAC                |
| Utilisation category AC-15 | 4 A                   |
| Utilisation category DC-13 | 24 VDC                |
| Utilisation category DC-13 | 4 A                   |
| Switching element          | Opener (NC)           |
| Switching principle        | Creep circuit element |
| Switching frequency        | 1,000 /h              |

## Notes

|                |                                                                                                   |
|----------------|---------------------------------------------------------------------------------------------------|
| Note (General) | Caution! According to EN 60204-1, the versions with connector must only be used in PELV circuits. |
|----------------|---------------------------------------------------------------------------------------------------|

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The details and data referred to have been carefully checked. Images may diverge from original. Further technical data can be found in the manual. Technical amendments and errors possible.

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