

## Magnetic Field Sensors

Contact Rollco for CAD-files.

Dimensions in mm.

**Ambient Temperature (°C):** -10 ~ +70

**Sensor Type:** GMR sensor

**Switching function:** NC/NO

**Max. Switching Current (mA):** 200x.

**Switching Frequency (Hz):** 1000

**Voltage drop:** 1.5 V / 200 mA max.

**Protection Class:** IP67

**Electrical connection:** M8, 3-pin

**Extension cable:** Energy chain compliant

**Cable material length:** PU - 0.3 m

**Output:** PNP

**Operating Voltage (V DC):** 10 ~ 28

**Max. Power Rating (W):** 5.5 max.

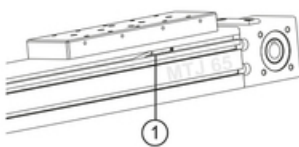
**Current consumption:** 10 mA / 24 V max.

**Shock/vibration:** 50 G / 9 G

**LED indicator:** Yellow

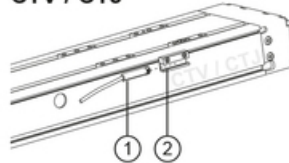


**MTJ / MRJ / MTV**



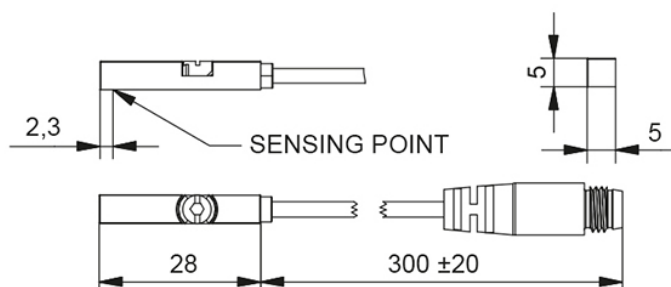
1. Magnetic field sensor
2. Sensor holder

**CTV / CTJ**

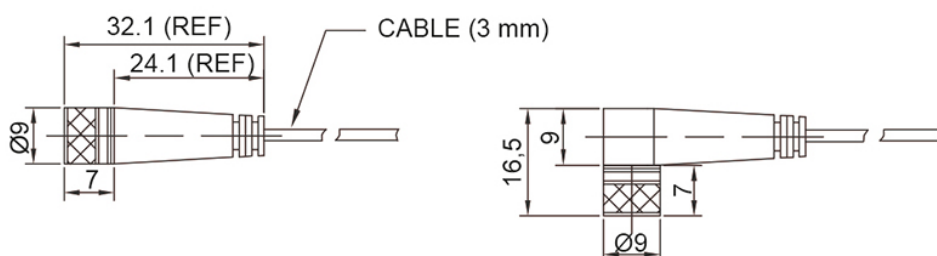


Mounting of magnetic field sensor on CTV and CTJ series requires a HOM sensor holder. For CTV/CTJ 200 a HOM sensor holder is not needed

## General Data



### Extension cable with connector



| Type                                           | Compatibility                                                |  |
|------------------------------------------------|--------------------------------------------------------------|--|
| HOM Sensor holder                              | CTV 90, 110, 145<br>CTJ: 90, 110, 145                        |  |
| SMT-65TP-K NC                                  | MTJ / MRJ / MTV / MTJZ:<br>40, 65, 80, 110<br>CTV / CTJ: 200 |  |
| SMT-65TP-K NC+HOM                              | CTV 90, 110, 145<br>CTJ: 90, 110, 145                        |  |
| SMT-65TP-K NO                                  | MTJ / MRJ / MTV / MTJZ:<br>40, 65, 80, 110<br>CTV / CTJ: 200 |  |
| SMT-65TP-K NO+HOM                              | CTV 90, 110, 145<br>CTJ: 90, 110, 145                        |  |
| Extension Cable length 2m - Straight connector |                                                              |  |
| Extension Cable length 5m - Straight connector |                                                              |  |
| Extension Cable length 2m - Angeled connector  |                                                              |  |
| Extension Cable length 5m - Angeled connector  |                                                              |  |

| Designation                                                  | Compatible with                                       |
|--------------------------------------------------------------|-------------------------------------------------------|
| <b>HOM Sensor holder - 43851</b>                             | CTV 90, 110, 145CTJ: 90, 110, 145                     |
| <b>SMT-65TP-K NC - 74073</b>                                 | MTJ / MRJ / MTV / MTJZ:40, 65, 80, 110 CTV / CTJ: 200 |
| <b>SMT-65TP-K NC - 77075</b>                                 | CTV 90, 110, 145CTJ: 90, 110, 145                     |
| <b>SMT-65TP-K NO - 74074</b>                                 | MTJ / MRJ / MTV / MTJZ:40, 65, 80, 110 CTV / CTJ: 200 |
| <b>SMT-65TP-K NO - 77076</b>                                 | CTV 90, 110, 145CTJ: 90, 110, 145                     |
| <b>Extension Cable length 2m - Straight connector - 8146</b> | -                                                     |

## General Data

| Designation                                              | Compatible with |
|----------------------------------------------------------|-----------------|
| Extension Cable length 5m -<br>Straight connector - 8147 | -               |
| Extension Cable length 2m -<br>Angled connector - 9017   | -               |
| Extension Cable length 5m -<br>Angled connector - 9019   | -               |