# Magnetic Field Sensors

Contact Rollco for CAD-files.

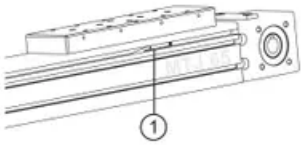
Dimensions in mm.




**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

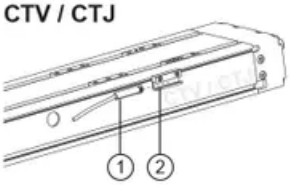

Every care has been taken to ensure the accuracy of the information in this document, but we take no liability for any errors or omissions. We reserve the right to make changes without prior notice.

**MTJ / MRJ / MTV**




1. Magnetic field sensor
2. Sensor holder

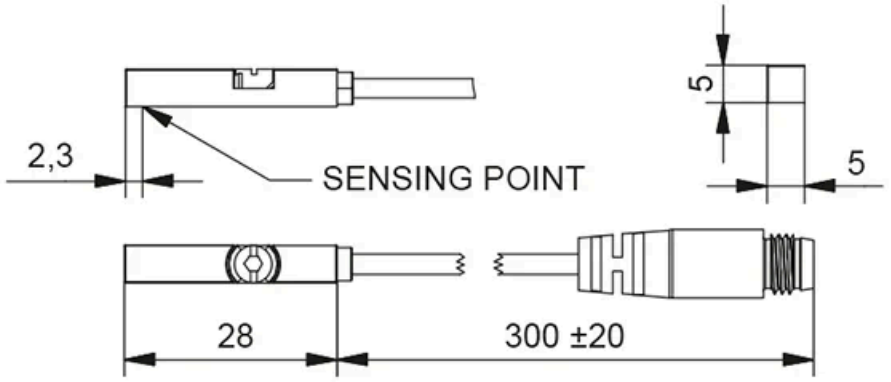
**CTV / CTJ**



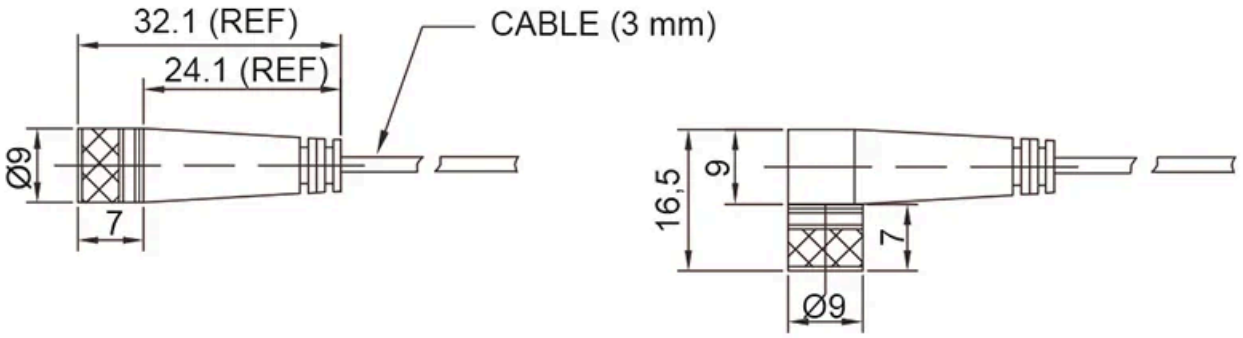

Mounting of magnetic field sensor on CTV and CTJ series requires a HOM sensor holder. For CTV/CTJ 200 a HOM sensor holder is not needed


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## General Data




## Extension cable with connector





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| 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 |
|---|---|
| **HOM Sensor holder - 43851** | CTV 90, 110, 145CTJ: 90, 110, 145 |
| **SMT-65TP-K NC - 74073** | MTJ / MRJ / MTV / MTJZ:40, 65, 80, 110 CTV / CTJ: 200 |
| **SMT-65TP-K NC - 77075** | CTV 90, 110, 145CTJ: 90, 110, 145 |
| **SMT-65TP-K NO - 74074** | MTJ / MRJ / MTV / MTJZ:40, 65, 80, 110 CTV / CTJ: 200 |
| **SMT-65TP-K NO - 77076** | CTV 90, 110, 145CTJ: 90, 110, 145 |
| **Extension Cable length 2m - Straight connector - 8146** | - |
| **Extension Cable length 5m - Straight connector - 8147** | - |
| **Extension Cable length 2m - Angled connector - 9017** | - |
| **Extension Cable length 5m - Angled connector - 9019** | - |


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