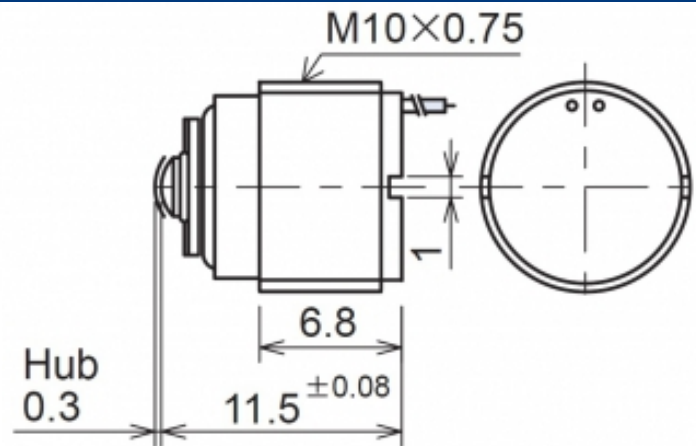


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Product Description

Touch Sensor



|                   |                                                                                           |
|-------------------|-------------------------------------------------------------------------------------------|
| Name              | STM81A-L                                                                                  |
| Order number      | 08430421005                                                                               |
| Switch type       |  N.O.    |
| Signal Type       | mechanical contact                                                                        |
| Connection        |  Cable |
| Dimension (in mm) | fine-pitch thread M10x0,75 x l = 11,8                                                     |

Technical Specification

|                       |                                                |
|-----------------------|------------------------------------------------|
| Operating voltage     | 5 - 24 V DC                                    |
| Max. load current     | 10 mA                                          |
| Switching hysteresis  | 0                                              |
| Operating temperature | 0 ° C to 80 ° C                                |
| Temperature drift     | 0                                              |
| Repeat accuracy       | 0,01 mm (at operating speed 50 ... 200 mm/min) |
| Switching state       | LED                                            |
| Stroke                | 0,3 mm                                         |
| Pre-travel            | 0,15 mm                                        |
| Accuracy              | 0,01 mm                                        |
| Probe tip             | Zylinder 2/R 2,5                               |
| Probe tip material    | Edelstahl                                      |
| Static load           | 3000 N                                         |
| Operation load        | 1 N                                            |
| art_ttl_mech          | 10 Mio. operating cycles                       |
| Protection category   | IP67                                           |
| Wiring                | Zweidraht/ Two wire                            |
| Housing material      | Stainless steel V2A                            |

|                    |                                              |
|--------------------|----------------------------------------------|
| Termination        | 2 single wires 0.5 m, Ø0.6 mm, oil resistant |
| Approach direction | axial                                        |

**Errors and omissions exceptet**