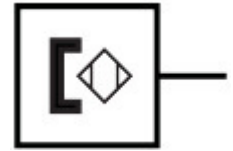


# Position sensor SMH-S1-HGPP16

Part number: 189041

FESTO



[PDF](#) General operating condition

## Data sheet

| Feature                                              | Value                                                       |
|------------------------------------------------------|-------------------------------------------------------------|
| Design                                               | For grippers                                                |
| Symbol                                               | 00991630                                                    |
| CE mark (see declaration of conformity)              | To EU EMC Directive<br>In accordance with EU RoHS Directive |
| UKCA marking (see declaration of conformity)         | To UK instructions for EMC<br>To UK RoHS instructions       |
| Note on materials                                    | RoHS-compliant                                              |
| Measured variable                                    | Position                                                    |
| Measuring principle                                  | Magnetic Hall                                               |
| Ambient temperature                                  | 5 °C ... 60 °C                                              |
| Short circuit current rating                         | no                                                          |
| Overload protection                                  | Not available                                               |
| Output signal                                        | Analogue                                                    |
| Reverse polarity protection                          | no                                                          |
| Electrical connection 1, connection type             | Cable with plug                                             |
| Electrical connection 1, connector system            | M8x1, A-coded, to EN 61076-2-104                            |
| Electrical connection 1, number of connections/cores | 4                                                           |
| Connection outlet orientation                        | In-line                                                     |
| Material electrical contact                          | Gold-plated brass                                           |
| Cable length                                         | 0.5 m                                                       |
| Cable sheath colour                                  | Grey                                                        |
| Material cable sheath                                | TPE-U(PUR)                                                  |
| Type of mounting                                     | Screwed to gripper                                          |
| Mounting position                                    | optional                                                    |
| Product weight                                       | 20 g                                                        |
| Housing colour                                       | Black                                                       |
| Material housing                                     | POM<br>PUR                                                  |
| Degree of protection                                 | IP65                                                        |
| Corrosion resistance class CRC                       | 2 - Moderate corrosion stress                               |
| LABS (PWIS) conformity                               | VDMA24364-B2-L                                              |