

# MAGNETIC FIELD SENSOR

## MFS204SKHC

| Order no.  | MFS204SKHC         |
|--|--------------------|
| <b>General data</b>                                |                    |
| Certification                                      | CE                 |
| Basic standard                                     | IEC 60947-5-2      |
| Protection to IEC 60529                            | IP67               |
| Function display                                   | Yes                |
| Protected against polarity reversal                | Yes                |
| Short-circuit-proof                                | Yes                |
| <b>Electrical data</b>                             |                    |
| Fixing types                                       | Cable/Connector M8 |
| Effective operating voltage [V DC]                 | 24                 |
| Rated insulation voltage [V DC]                    | 75                 |
| Load current capacity [mA]                         | 100                |
| Rated short circuit current [A]                    | 100                |
| Rated switching field strength [kA/m]              | 1.2                |
| Supply voltage min. [V DC]                         | 10                 |
| Supply voltage max. [V DC]                         | 30                 |
| Turn on time max. [ms]                             | 0.07               |
| Electrical version                                 | DC, direct current |
| Assured switching field streng [kA/m]              | 2                  |
| Hysteresis of %                                    | <45                |
| Load capacitance max. [ $\mu$ F]                   | 1.00               |
| No-load current damped max. [mA]                   | 8.0                |
| Max. no-load current undamped [mA]                 | 5.0                |
| Ripple max. [%]                                    | 15                 |
| Switching output                                   | PNP                |
| Switching frequency [Hz]                           | 7000               |
| Switching function                                 | Normally open (NO) |
| Voltage drop [V]                                   | 2.5                |
| <b>Mechanical data</b>                             |                    |
| Tightening torque [Nm]                             | 0.03               |
| Width [A] [mm]                                     | 16.8               |
| Housing Material                                   | PA12               |
| Height (small side) [mm]                           | 2.90               |
| Cable- $\emptyset$ D [mm]                          | 2.50               |
| Cable length [m]                                   | 0.3                |
| Connector type                                     | M8x1               |
| Temperature drift of the switch-on point of [%/°C] | 0.3                |
| Depth [mm]   | 4.50               |
| Ambient temperature range [°C]                     | -25 ... +85        |
| Cable sheath material                              | PUR                |

