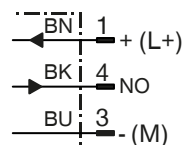
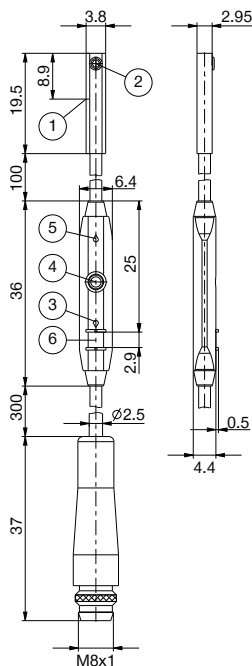


# MAGNETIC FIELD SENSORS

## MFS02-S-KHC-P3-PNP



Connection diagram



PIN assignment

- ① Center of sensor element
- ② Fixing screw
- ③ Display LED
- ④ Teach-in button
- ⑤ Display LED
- ⑥ Ribs for cable ties

Order no.	MFS02-S-KHC-P3-PNP
<b>General data</b>	
Detection zone [mm]	0 ... 50
Switching output	PNP
Switching frequency [Hz]	7000
Switching function	Normally open (NO)
Electrical version	DC 3-wire
Protection to IEC 60529	IP67
Weight [kg]	0.015
CE – Market approval for Europe	Yes
UKCA – Market approval for the United Kingdom	Yes
<b>Electrical / Mechanical data</b>	
Supply voltage [V DC]	12 ... 30
Load current capacity [mA]	<50
Current consumption max. [mA]	<10
Current consumption [mA]	≤15
Voltage drop [V]	≤2.2
Continuous current [mA]	≤100
Reproducibility [mT]	≤0.1
Protected against polarity reversal	Yes
Short-circuit-proof	Yes
Power-up pulse protection	Yes
Ambient temperature range [°C]	-20 ... +75
Shock and vibration resistance	30 g, 11 ms / 10 ... 55 Hz, 1 mm
Housing Material	Plastics
Connection	Cable with connector
Fixing thread	M8
Cable length [m]	0.3
Nr. of wires x diameter [mm <sup>2</sup> ]	3x0.09
Cable sheath material	PUR
Bending radius when using a drag chain, min.	5x∅
Bending radius for fixed routing, min.	3x∅
Installation type	Cable outlet axial