

Delivery Range

Intelligent electronic magnetic sensors – two switching points, teachable

Size	Series	Material	Type of connection	Type of installation	Article number	Article designation
22 x 3,9 x 3,1 mm	E22	Plastic	Cable	C-slot – SMC	6370281109	MEK-E22PS/HP-KL2
22 x 3,9 x 3,1 mm	E22	Plastic	M8 plug	C-slot – SMC	6370281110	MEK-E22PS/HP-KL0,3S



Size	Series	Material	Type of connection	Type of installation	Article number	Article designation
22 x 3,9 x 3,1 mm	E22	Plastic	Cable	C-slot – SMC	6370281152*	MEK-E22PS/HP-KL2-EX
22 x 3,9 x 3,1 mm	E22	Plastic	M8 plug	C-slot – SMC	6370281153*	MEK-E22PS/HP-KL0,3S-EX

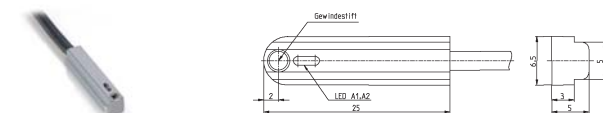


* Version with Ex approval
KEMA 08ATEX0130 X
II 2 G Ex mb II T6
II 2 D Ex tD A21 IP 67 T 85 °C

Size	Series	Material	Type of connection	Type of installation	Article number	Article designation
22 x 3,7 x 3,1 mm	E22	Plastic	Cable	C-slot – Festo	6370281144	MEK-E22PS/HP-KL2
22 x 3,7 x 3,1 mm	E22	Plastic	M8 plug	C-slot – Festo	6370281145	MEK-E22PS/HP-KL0,3S



Size	Series	Material	Type of connection	Type of installation	Article number	Article designation
25 x 6,5 x 5 mm	E30	Aluminium	Cable	T-slot	6370299136	MEA-E30PS/HP-KL2
25 x 6,5 x 5 mm	E30	Aluminium	M8 plug	T-slot	6370299143	MEA-E30PS/HP-KL0,3S



Accessories

Cable coupler (straight version, 2 m cable)	4-pin M8	4139100837	GDK-M08UA/W00-2
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All sensors come with the following accessories:

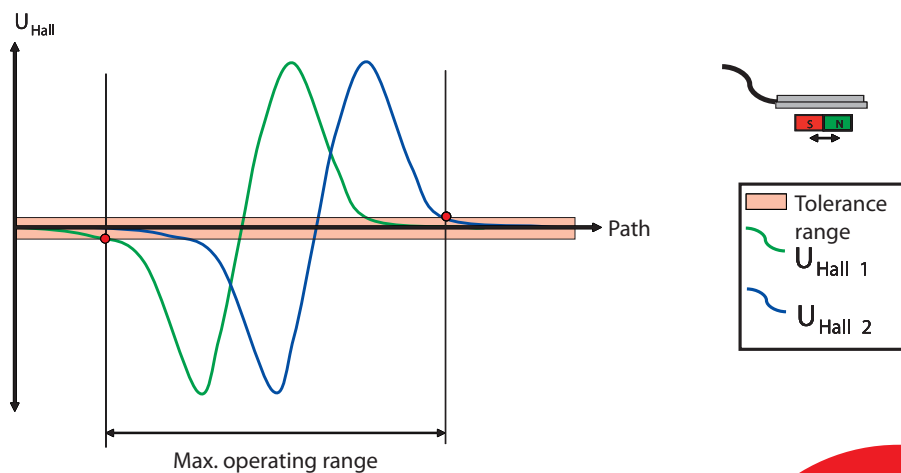
- 1 x setscrew M2x3 (E22), M3x6 (E30), DIN 913
- 1 x offset screwdriver (E22)
- 1 x teach-in tool
- 1 x operating and installation instructions

Other slot sensors:

Sensors with only one output can also be used for applications that require only one switching point. For these applications, BERNSTEIN AG offers Hall sensors with set sensitivity or reed contact versions that require no auxiliary energy (see "Delivery Range – Other Slot Sensors").

The illustration shows the maximum sensing range of both sensor elements over the traverse range of the magnet. A curve must be outside the tolerance range in order to achieve clear assignment of the switching points. The sensor immediately detects the moment at which both curves are within the tolerance range of low magnetic sensitivity due to the magnet and air gap constellation and signals a fault.

Magnetic field parallel to sensor



**Other products
in our complete range**

Technical Data

- Magnetic sensitivity $\pm 1.5 \text{ mT}$ to $\pm 13.5 \text{ mT}$ / switching range up to 50 mm (depending on magnet / air gap)
- Repeatability $\leq 0.1 \text{ mT}$
- Hysteresis $1 \text{ mT} \leq H \leq 1.35 \text{ mT}$
- Operating voltage range UB 10-30 V DC
- PNP / make contact NO
- Output current $I_e \leq 50 \text{ mA}$ (one output switched)
 $\leq 25 \text{ mA}$ per output (both outputs switched)
- Ambient temperature -20°C to $+80^\circ\text{C}$
- Type of protection IP 67