

Hall Effect Pickup

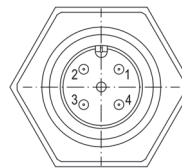
P/N 66.60.043-L

Dimensions

- Thread M12x1
- Length 60 mm (2.36"), 100 mm (3.94")
(more dimensions see overview drawing)

Connections

- Pole connector M12x1, 4-pole, male
- 1 = Vs
- 2 = Unused
- 3 = Common
- 4 = Vout



Triggering

- Possible triggers Blind holes, through holes, screws, pins, metal inserts, slots

Mechanical Data

- Air gap 0.25 mm to 3 mm (0.01" to 0.12")
- Change of distance 1 revolution \pm 1 mm (0.04")
- Tightening torque 15 Nm (11 lb-ft)
- Protection class IP67, IP69
- Enclosure material Stainless steel
- Hexagon nut Wrench opening 13
- Permissible shock 50 g
- Permissible vibration load

Frequency	Acceleration
2 Hz to 10 Hz	Constant vibration displacement of 1.125 mm
10 Hz to 250 Hz	Constant vibration velocity of 0.0707 m/s
250 Hz to 1,000 Hz	Constant acceleration of 11 g

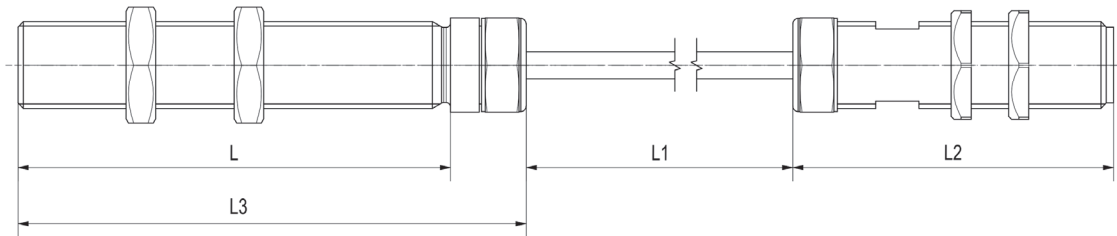
Climatic Environmental Conditions

- Permissible temperature range $-25\text{ }^{\circ}\text{C}$ to $+125\text{ }^{\circ}\text{C}$ ($-13\text{ }^{\circ}\text{F}$ to $257\text{ }^{\circ}\text{F}$)

Elektrical Data

- Supply voltage 8 V DC to 32 V DC
- Max. power consumption without load 15 mA
- Max. output current ± 40 mA
- Operating frequency 0 kHz to 10 kHz
- Signal output Push-pull
- Signal assignment at output High level: metal
Low level: no metal
- Protective measures Reverse polarity protection, overvoltage protection, short circuit protection (clocked)
- High level (with 10 k Ω load at output) Vs ... Vs -2 V
- Low level (with 10 k Ω load at output) 0 ... 0.5 V

Overview Drawing



Feature	P/N	Value
L	-60	60 mm (2.36")
	-100	100 mm (3.94")
L1	-60	205 mm to 225 mm (8.07" to 8.86")
	-100	320 mm to 340 mm (12.6" to 13.39")
L2		44.5 mm (1.75")
L3	-60	70.5 mm (2.78")
	-100	110.5 mm (4.35")

Circuit Diagram

