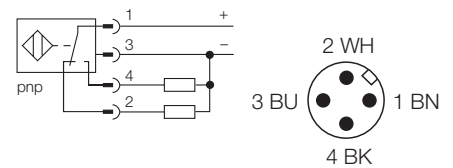


Bi5U-MT18M-VP4X-H1141

Type		Bi5U-MT18M-VP4X-H1141
Ident-No.		1581256
Rated operating distance Sn		5 mm
Assured switching distance		≤ (0,81 x Sn) mm
Repetition accuracy		≤ 2 %
Temperature drift		≤ ± 10 %
Hysteresis		≤ ± 15 %, ≤ -25 °C v ≥ +70 °C
ambient temperature		3... 15 %
		-30 ... + 85 °C
Operating voltage		10... 65 V DC
Residual ripple		≤ 10 % U _{SS}
DC rated operational current		≤ 200 mA
No-load current I ₀		≤ 15 mA
Residual current		≤ 0.1 mA
Rated insulation voltage		≤ 0.5 kV
Short-circuit protection		yes / cyclic
Voltage dip at I _e		≤ 1.8 V
Wire breakage / reverse polarity protection		yes / complete
Output function		4-wire, change-over, pnp
Insulation class		□
Switching frequency		≤ 2.5 kHz
Connection		connector, M12 x 1
Vibration resistance		55 Hz (1 mm)
Shock resistance		30g (11 ms)
Protection degree		IP67

- factor 1 for all metals
- magnetic field immune
- extended temperature range
- high switching frequency
- 4-wire DC, 10..0.65 VDC
- change-over, pnp output
- connector, M12 x 1

Wiring diagram



Function principle

Inductive sensors are designed for wear-free and non-contact detection of metal objects. Due to a ferrite-less 3-coil system, uprox factor 1 sensors have distinct advantages. They detect all metals at the same switching distance, are magnetic field immune and feature large switching distances.