

Induktive Sensoren
Inductive sensors
DéTECTEURS inductifs

IR18V.D08L-11197223

Induktive Näherungsschalter

Inductive proximity switch

DéTECTEURS de proximité inductifs



11197223



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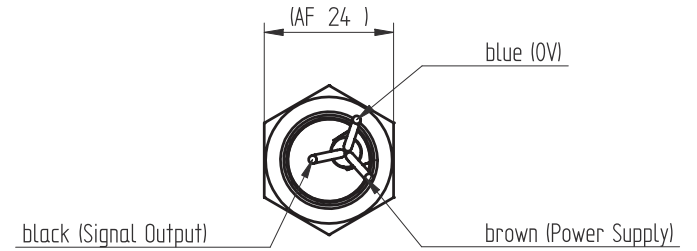
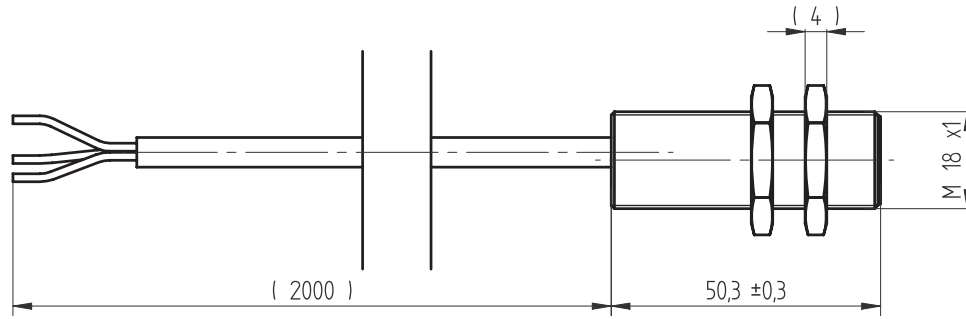
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NOTES:

1. ELECTRICAL SPECIFICATION:

- a. VOLTAGE: 4.75V...5.25VDC
- b. SUPPLY CURRENT: ≤ 12mA
- d. MEASURING DISTANCE Sd: 0...8mm
- e. OUTPUT VOLTAGE: 0.5...4.5V (+/- 5%)
- f. MAX. OUTPUT CURRENT: ≤ 1mA
- g. TEMPERATURE DRIFT: +/- 8%
- h. RESOLUTION: <0.008mm (static), <0.01mm (dynamic)
- i. CUT OFF FREQUENCY: <450Hz
- j. REVERSE POLARITY PROTECTION: no
- k. SHORT CIRCUIT PROTECTION: yes

2. MECHANICAL DATA:

- a. CYLINDRICAL THREADED (M18 x 1)
- b. HOUSING MATERIAL: BRASS NICKEL PLATED
- c. CABLE: PUR 3x0.75mm²
- d. MAXIMUM INSTALLATION TORQUE: 40Nm (at 22mm of front part and at 15mm of back part the tightening torque is reduced by 30%)

3. AMBIENT CONDITIONS:

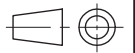
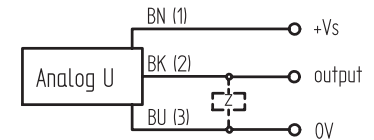
- a. STORAGE TEMPERATURE: -40°C...+85°C
- b. OPERATING TEMPERATURE: -40°C...+85°C

4. SENSOR MEETS THE FOLLOWING REQUIREMENTS EMC (no ECE Type Approval)

- a. ELECTROMAGNETIC SUSCEPTIBILITY:
 - ISO 11452-4, BCI (2011-12) Frequency Range: 0.5...400MHz, 200mA (AM, CW)
 - ISO 11452-2, Free Field (2004-11), Frequency Range: 200...1000MHz (AM) 800...2700MHz (PM); 200...2700MHz (CW)
- b. COMPONENT LEVEL EMISSIONS: CISPR 25 (2002)
 - Broadband: 0.53...30MHz: 24dBµV/m; 30...1000MHz: UN/ECE R10 Rev 5 ch. 6.5.2.1
 - Narrowband: 0.53...30MHz: 15dBµV/m, 30...1000MHz: UN/ECE R10 Rev 5 ch. 6.6.2.1; 1159...1590MHz: 10dBµV/m; 2320...2500MHz: 25dBµV/m
- c. ELECTROSTATIC DISCHARGE (UN-POWERED): ISO 10605
 - Air max. +/- 15kV, Contact max. +/- 15kV
 - ELECTROSTATIC DISCHARGE (POWERED): ISO 10605
 - Air max. +/- 15kV, Contact max. +/- 20kV
- d. FAST TRANSIENT (24V): ISO 7637-3 Pulse b/a

5. SENSOR MEETS THE FOLLOWING REQUIREMENTS ENVIRONMENTAL

- a. PROTECTION CLASS: IP69K (FRONT PART)/ IP68 (1,5m/ 24h)
- b. RANDOM VIBRATION: IEC 600068-2-64: 10...2000Hz, 117.1m/s² (rms), 8h/axis
- c. OPERATING SHOCK: IEC 600068-2-27: 10Shocks/axis, 50g, 11ms
- d. BENCH HANDLING SHOCK: IEC 60068-2-31: 1m / 3 Drops per side



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	b	23.03.2018	ts	23.03.2018	rou			Replaced by		
	Mod			Mod			-	Replacement for		
IR18V.D08L-11197223							Scale	Drawn	25.01.2018	ts
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