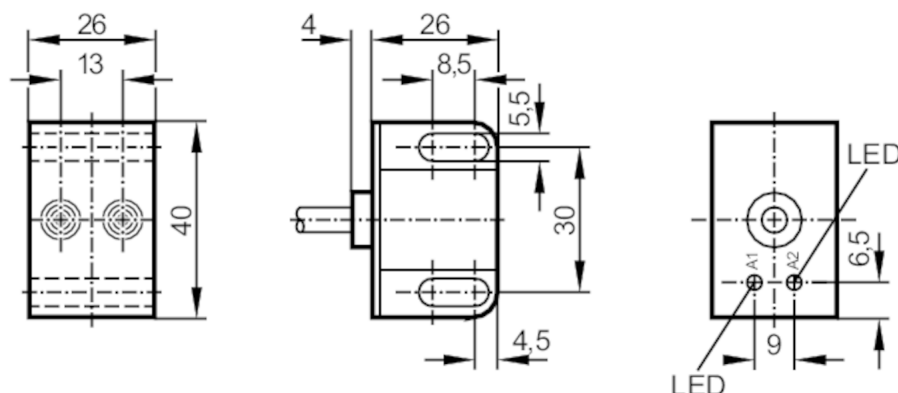




Inductive NAMUR dual sensor for valve actuators

IND2004DN/20m

Article no longer available - archive entry



Product characteristics

Electrical design	NAMUR
Output function	2 x normally closed
Sensing range [mm]	4
Housing	rectangular
Dimensions [mm]	40 x 26 x 26

Electrical data

Connection to switching amplifiers	yes
Switching amplifiers	connection to switching amplifiers NV0100, NV0200 or other approved switching amplifiers with the max. values: $U = 15 \text{ V}$ / $I = 50 \text{ mA}$ / $P = 180 \text{ mW}$
Nominal voltage DC [V]	8.2; (1k Ω)
Supply voltage DC [V]	7.5...15
Current consumption [mA]	< 1; (disabled; conductive: > 2,1)

Outputs

Electrical design	NAMUR
Output function	2 x normally closed
Max. cable resistance [Ω]	50
Switching frequency DC [Hz]	1800

Detection zone

Sensing range [mm]	4
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Operating conditions

Ambient temperature [$^{\circ}\text{C}$]	-20...70
Protection	IP 67

Tests / approvals

Approval	PTB-Zulassungsnummer: Ex-96.D.2178X; Gerätekennzeichnung: EEx ia IIC T6
Shock/vibration resistance	30 g (11 ms) / 10-55 Hz (1 mm)

NN5012



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Safety classification

Max. internal capacitance	[nF]	150
Max. internal inductance	[µH]	190

Mechanical data

Housing	rectangular
Mounting	non-flush mountable
Dimensions	[mm] 40 x 26 x 26
Materials	PBT

Displays / operating elements

Display	switching status	2 x LED, yellow
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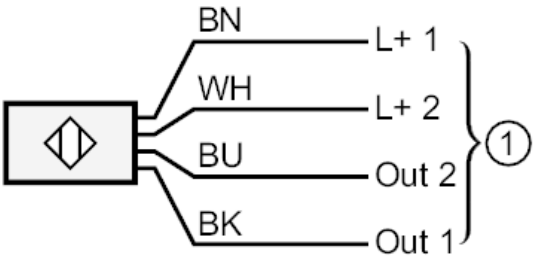
Remarks

Pack quantity	1 pcs.
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Electrical connection

Cable: 20 m, silicone; 4 x 0.34 mm²

Connection



- 1 = connection to NAMUR amplifiers
Core colours :
BK = black
BN = brown
BU = blue
WH = white