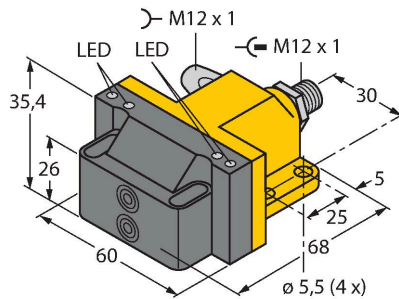


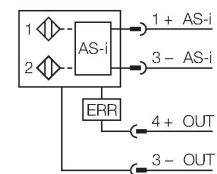
NI4-DSU26-2ASIX4-H1140-FKE4.3 Inductive Sensor – For Rotary Actuators



Features

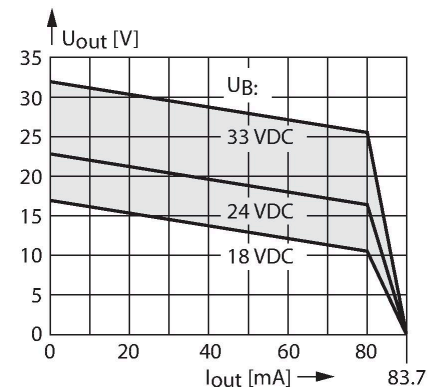
- Rectangular, housing DSU26
- Plastic, PP-GF30-VO
- Two outputs for monitoring the position of rotary actuators
- All metal housing parts are made of stainless steel
- Mounting on all standard actuators
- Valves can be connected
- AS-Interface, 18...33 VDC
- M12 x 1 male connector

Wiring diagram



Functional principle

Inductive sensors detect metal objects contactless and wear-free. Dual sensors are especially designed for position detection in rotary actuators. They combine the reliability of non-contact inductive sensors with the flexibility of a modular housing system.



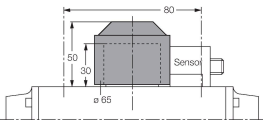
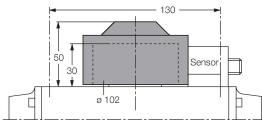
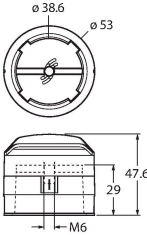
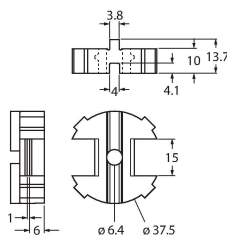
Technical data

Type	NI4-DSU26-2ASIX4-H1140-FKE4.3
ID	1902010
General data	
Rated switching distance	4 mm
Mounting conditions	Non-flush
Correction factors	St37 = 1; Al = 0.3; stainless steel = 0.7; Ms = 0.4
Repeat accuracy	≤ 2 % of full scale
Temperature drift	≤ ±10 %
Hysteresis	3...15 %
Electrical data	
Operating voltage U _B	18...33 VDC
No-load current	≤ 35 mA
Isolation test voltage	0.5 kV
Communication protocol	AS-Interface
Output function	2-wire, 2 x NO contact
I/O configuration (HEX) / ID code (HEX)	S-7 / F
I/O matrix input	0 = upper sensor S01
	1 = lower sensor S02
	2 = wire-break at output
	3 = not used
I/O matrix output	0 = output 1
	1 - 3 = not used
Rotary actuators output current	≤ 80 mA, grounding is not allowed, residual current ≤ 0.5 mA

Technical data

Short-circuit protection / output watchdog	yes / yes
Wire breakage protection	≤ 0.1 mA
Output LEDs	yellow: output / red: Wire-break
Switching frequency	0.03 kHz
Mechanical data	
Design	Dual sensor for valve monitoring, DSU26
Dimensions	68 x 60 x 35.4 mm
Housing material	Plastic, PP-GF30, Yellow
Active area material	Plastic, PP-GF30, black
Plug adapter	metal, 1.4401 (AISI 316)
Electrical connection	Connector, M12 x 1
Environmental conditions	
Ambient temperature	-25...+70 °C
Vibration resistance	55 Hz (1 mm)
Shock resistance	30 g (11 ms)
Protection class	IP67
Switching state	2 x LEDs, Yellow/yellow

Accessories

BTS-DSC26-EB2 	6900223 Actuation kit (puck) for dual sensors; end position damped; hole pattern on receptacle surface: 80 x 30 mm and 130 x 30 mm; connection shaft (shaft extension) height: 30 mm/Ø: max. 50 mm	BTS-DSC26-EB3 	6900224 Actuation kit (puck) for dual sensors; end position damped; hole pattern on receptacle surface: 30 x 130 mm; connection shaft (shaft extension) height: 30 mm/Ø: max. 85 mm
BTS-DSC26-EB20 	100002102 Actuator (puck) for dual sensors; end position damped; hole pattern on flange: 80 x 30 mm and 130 x 30 mm; connection shaft (shaft extension) height: 30 mm/Ø: max. 35 mm; available as an option: Spacer BTS-DSC26-UR10 for 20-mm-high connection shafts (shaft extension)	BTS-DSC26-UR10 	100002103 Spacer for dual sensor actuation kitBTS-DSC26-EB20