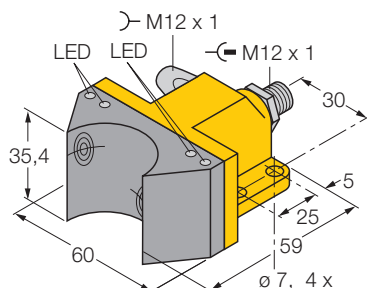




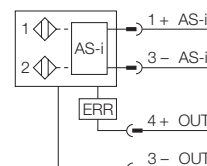
inductive dual sensor for rotary actuators Ni4-DSU35-2ASIX4-H1140

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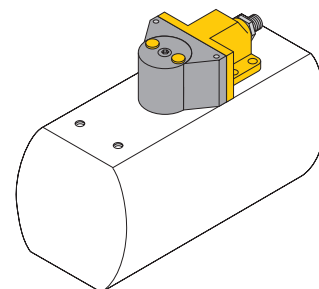
- dual sensor, housing style DSU35
- plastic, PP-GF30-VO
- two switching outputs for monitoring the position of rotary actuators
- mounting on all standard actuators without additional mounting hardware
- valve connection possible
- AS-Interface, 18...33 VDC
- connector, M12 x 1

Wiring diagram



Function principles

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



Type	Ni4-DSU35-2ASIX4-H1140
Ident-No.	1902000
Rated operating distance S_n	4 mm
Mounting mode	non-flush
Hysteresis (switching distance)	3... 15 %
Min. repeat accuracy	≤ 2 %
Temperature drift	≤ ± 10 %
Operating temperature	-25 ...+ 70 °C
Rated operational voltage (DC) U_B	18... 33 VDC
No-load current I_0	≤ 30 mA
Max. switching frequency	≤ 0,03 kHz
Rated insulation voltage	≤ 0,5 kV
Output function	2-wire, ASI-BUS
E/A-Configuration (HEX) / ID-Code (HEX)	7 / F
I/O matrix input	0 = sensor above S01 1 = sensor below S02 2 = wire break at output 3 = not used
I/O matrix output	0 = output "ON" 1 - 3 = not used
Outputvoltage U_{out}	U_B - 3 V, PNP
Output current rotary actuator I_{out}	≤ 80 mA grounding not allowed
Short-circuit protection / Watchdog	yes / yes
Wire breakage protection I_{out}	≤ 0,1 mA
Output LEDs	yellow: output / red: wire breakage
Housing style	dual sensor for valve monitoring; DSU35
Dimensions	59 x 60 x 35 mm
Housing material	plastic, PP-GF30
Active face	plastic, PP-GF30
Wiring	connector, M12 x 1
Vibration resistance	55 Hz (1 mm)
Shock resistance	30 x g (11 ms)
Degree of protection	IP67
Switching status indication	2 x LED yellow / yellow



**inductive
dual sensor for rotary actuators
Ni4-DSU35-2ASIX4-H1140**

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Mounting instructions

see mounting accessories



inductive **dual sensor for rotary actuators** **Ni4-DSU35-2ASIX4-H1140**

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Accessories

Typ	Ident-No.	Description	Dimension drawing
BTS-DSU35-EB1	6900225	actuation kit (puck); end position dampened; hole pattern on flange surface 80 x 30 mm and 130 x 30 mm; connection shaft (shaft extension) height 20 (30) mm / Ø max. 30 mm	
BTS-DSU35-EU1	6900227	actuation kit (puck); end position undampened; hole pattern on flange surface 80 x 30 mm and 130 x 30 mm; connection shaft (shaft extension) height 20 mm / Ø max. 30 mm	
BTS-DSU35-EBE1	6900226	actuation kit (puck), end position dampened and adjustable switch point; hole pattern on flange surface 80 x 30 mm and 130 x 30 mm; connection shaft (shaft extension) height 20 / Ø max. 30 mm	
BTS-DSU35-Z01	6900229	mounting set for large rotary actuators: Ø disc and snap ring max. 65 mm; hole pattern on flange surface 30 x 80 mm (30 x 130 mm); connection shaft (shaft extension) height 30 mm / Ø max. 30 mm	
BTS-DSU35-Z02	6900230	mounting set for large rotary actuators: Ø disc and snap ring max. 65 mm; hole pattern on flange surface 30 x 80 mm (30 x 130 mm); connection shaft (shaft extension) height 20 (30) mm / Ø max. 40 mm	
BTS-DSU35-Z03	6900231	mounting set for large rotary actuators: Ø disc and snap ring max. 110 mm; hole pattern on flange surface 30 x 130 mm; connection shaft (shaft extension) height 30 mm / Ø max. 70 mm	