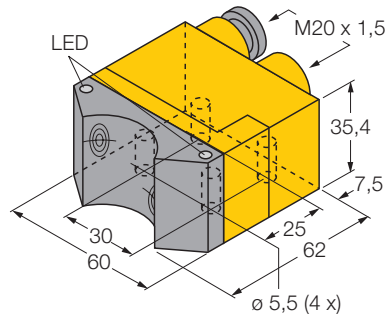
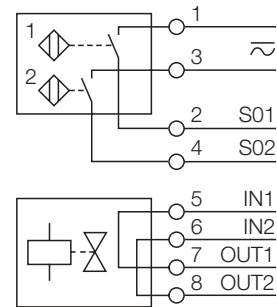


inductive dual sensor for rotary actuators Ni4-DSU35TC-2ADZ30X2



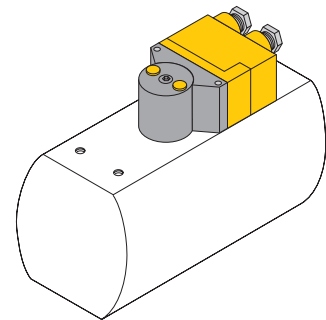
- dual sensor, housing style DSU35
- plastic, PP-GF30-VO
- two switching outputs for monitoring the position of rotary actuators
- mounting on all standard actuators without additional mounting hardware
- 4-wire AC, 20...250 VAC
- 4-wire DC, 10...300 VDC
- 2 x normally open
- terminal chamber

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-DSU35TC-2ADZ30X2
Ident-No.	4290002
Rated operating distance S_n	4 mm
Mounting mode	non-flush
Hysteresis (switching distance)	3... 15 %
Min. repeat accuracy	$\leq 2 \%$
Temperature drift	$\leq \pm 10 \%$
Operating temperature	-25 ... + 70 °C
Rated operational voltage (AC) U_B	20... 250 VAC
Rated operational voltage (DC) U_B	10... 300 VDC
Rated operational current (AC) I_B	≤ 400 mA
Rated operational current (DC) I_B	≤ 300 mA
Line frequency	50... 60 Hz
Max. OFF-state current	$\leq 1,7$ mA
Max. switching frequency	$\leq 0,03$ kHz
Rated insulation voltage	$\leq 1,5$ kV
Output function	4-wire, 2x normally open
Short-circuit protection	yes, short-circuit
Max. voltage drop at I_B	≤ 6 V
Wire breakage / reverse polarity protection	yes / complete
Min. operational current I_m	≥ 3 mA
Solenoid connection	$\leq 2,5$ A / ≤ 250 V
Housing style	dual sensor for valve monitoring; DSU35
Dimensions	62 x 60 x 35 mm
Housing material	plastic, PP-GF30
Active face	plastic, PP-GF30
Wiring	terminal chamber
Clamping ability	$\leq 2,5$ mm ²
Vibration resistance	55 Hz (1 mm)
Shock resistance	30 x g (11 ms)
Degree of protection	IP67
Switching status indication	2 x LED yellow / red
Included with sensor	2 cable glands, 1 blind plug

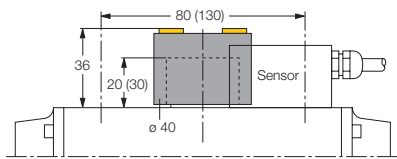
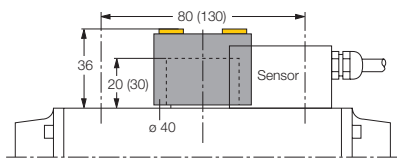
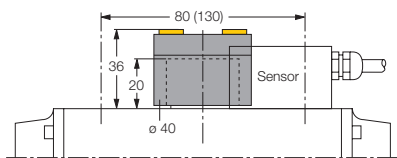
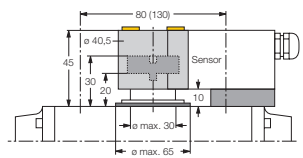
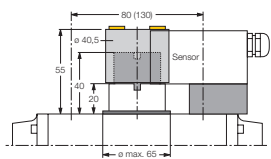
**inductive
dual sensor for rotary actuators
Ni4-DSU35TC-2ADZ30X2**

Mounting instructions

see mounting accessories

inductive dual sensor for rotary actuators Ni4-DSU35TC-2ADZ30X2

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	