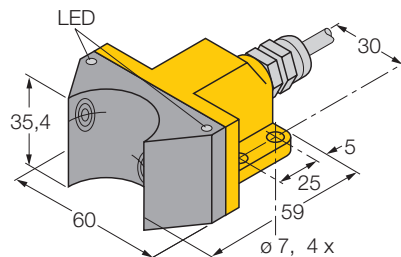
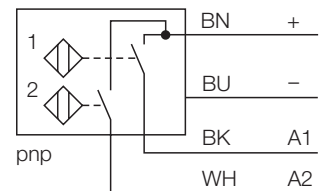


inductive dual sensor for rotary actuators Ni4-DSU35-2AP4X2



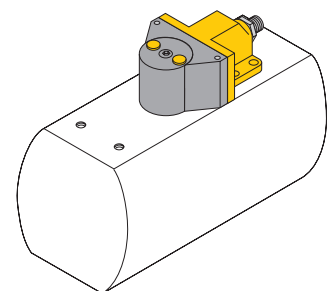
- dual sensor, housing style DSU35
- plastic, PP-GF30-VO
- two switching outputs for monitoring the position of rotary actuators
- mounting on all standard actuators without additional mounting hardware
- 2 x normally open, pnp output
- 4-wire DC, 10...65 VDC

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-DSU35-2AP4X2
Ident-No.	1569900
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 (DC) U_B	10... 65 VDC
Max. ripple	$\leq 10 \% U_{pp}$
Rated operational current (DC) I_e	$\leq 200 \text{ mA}$
No-load current I_0	$\leq 15 \text{ mA}$
Max. OFF-state current	$\leq 0,1 \text{ mA}$
Max. switching frequency	$\leq 0,05 \text{ kHz}$
Rated insulation voltage	$\leq 0,5 \text{ kV}$
Output function	4-wire, normally open, PNP
Short-circuit protection	yes, cyclic
Max. voltage drop at I_e	$\leq 1,8 \text{ V}$
Wire breakage / reverse polarity protection	yes / complete
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	cable
Cable	Ø 5,2, LifYY, PVC, 2 m
Cable cross section	4 x 0,34 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

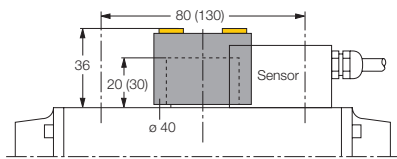
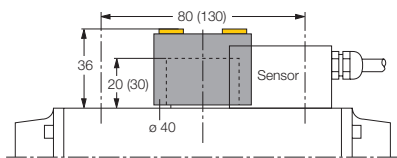
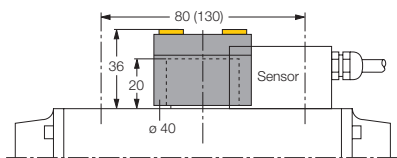
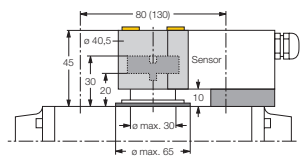
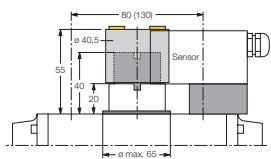
**inductive
dual sensor for rotary actuators
Ni4-DSU35-2AP4X2**

Mounting instructions

see mounting accessories

inductive dual sensor for rotary actuators Ni4-DSU35-2AP4X2

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	