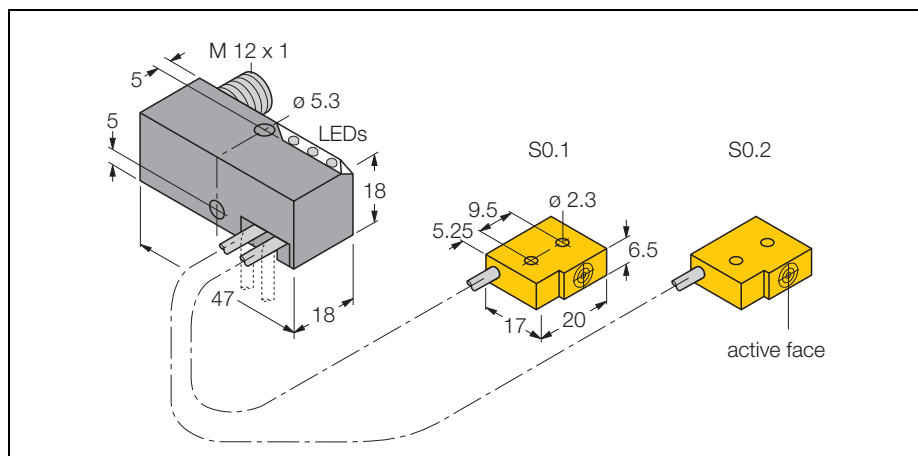


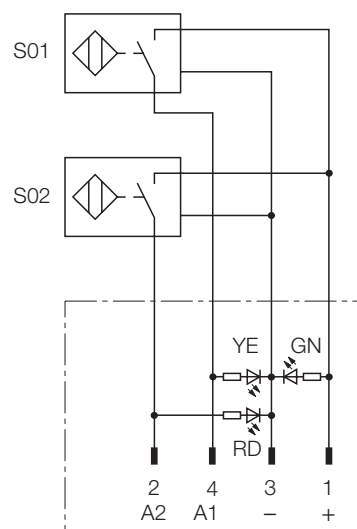
Inductive sensor power clamp monitor Ni2-Q6,5-AP6-0,1-FS4.4X3/S304



Type	Ni2-Q6,5-AP6-0,1-FS4.4X3/S304
Ident-No.	1650048
Rated operating distance S_n	2 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	10... 30 VDC
Max. ripple	≤ 10 % U_{pp}
Rated operational current (DC) I_e	≤ 150 mA
No-load current I_0	≤ 20 mA
Max. OFF-state current	≤ 0,1 mA
Max. switching frequency	≤ 0,03 kHz
Rated insulation voltage	≤ 0,5 kV
Output function	4-wire, normally open, PNP
Short-circuit protection	yes, cyclic
Max. voltage drop at I_e	≤ 1,8 V
Wire breakage / reverse polarity protection	yes / complete
Housing style	for power clamps; Q6,5
Dimensions	47 x 18 x 18 mm
Housing material	plastic, PBT-GF30-V0
Wiring	connector, M12 x 1
Cable	Ø 2, LiF9Y-11Y, PUR, 0,1 m
Cable cross section	3 x 0,08 mm ²
Vibration resistance	55 Hz (1 mm)
Shock resistance	30 x g (11 ms)
Degree of protection	IP67
Supply voltage indication	LED green
Switching status indication	2 x LED yellow / red

- power block Q6,5 with two connected sensors and LEDs
- adaptable block position, 0° - 90°, with cross drilling for flexible cable orientation
- plastic, PBT-GF20-V0
- magnetic-field immunity (welding resistance) to AC and DC fields
- 2 x normally open, pnp output
- 4-wire DC, 10...30 VDC

Wiring diagram



Function principles

TURCK offers special monitoring kits, consisting of two miniature sensors, as a convenient solution for "Open/Closed" detection on pneumatic power clamps. This product line provides almost unlimited combination possibilities comprising four different power blocks and over 40 different modular sensor types.