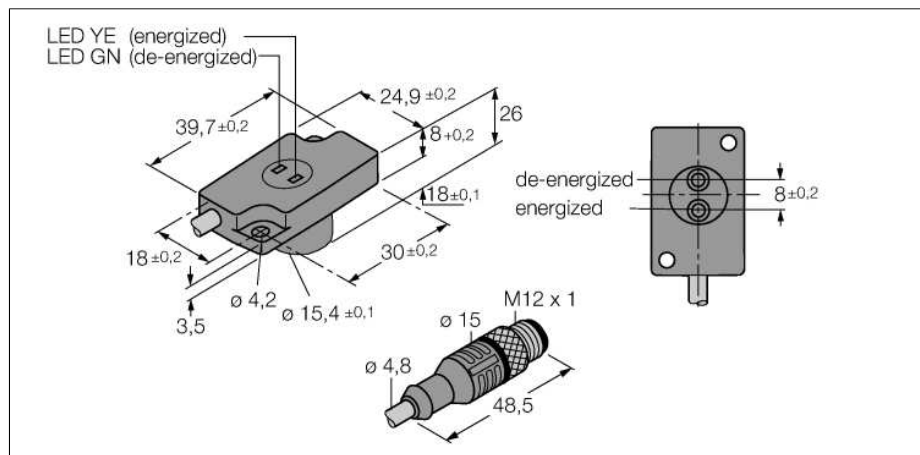


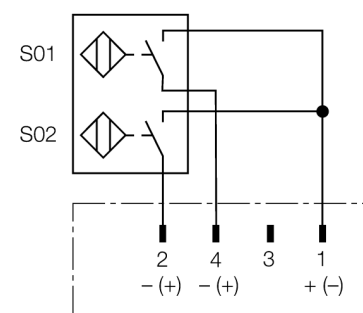
Inductive sensor (axial) power clamp monitor NI1,5-KSR26A-2AD4X2-0,2-RS4.4T/S34

- Compact power clamp monitoring KSR26A with two sensors and LEDs
- Active face, axial
- Plastic, PBT-GF20-V0, yellow
- Mounting holes with stainless steel sleeves
- Cable: Irradiated PUR
- Magnetic field immune (weld-resistant) to DC and AC fields
- Acc. to EN 60947-5-2
- Acc. to EN 61000-4-3
- Acc. to E03.75.020.N (7.2.6.1 CEM)
- DC 4-wire, 10...65 VDC
- 2 x NO
- M12 x 1 connector



Type code	NI1,5-KSR26A-2AD4X2-0,2-RS4.4T/S34
Ident no.	4430124
Rated operating distance Sn	1.5 mm
Mounting condition	non-flush
Assured sensing range	≤ (0,81 x Sn) mm
Correction factors	St37 = 1; Al = 0.3; stainless steel = 0.7; Ms = 0.4
Repeatability	≤ 2 % of full scale
Temperaturdrift	10 %
Hysteresis	1...15 %
Ambient temperature	-25...+70 °C
Operating voltage	10...65VDC
Residual ripple	≤ 10 % U _{ss}
DC rated operational current	≤ 100 mA
Residual current	≤ 0.6 mA
Rated insulation voltage	≤ 0.5 kV
Short-circuit protection	yes/ cyclic
Voltage drop at I_n	≤ 5 V
Output function	3-wire, NO contact, 2-wire
Smallest operating current I_m	≤ 3 mA
Switching frequency	for each sensor 0.25 kHz
Design	monitoring kit for clamping technology, KSR26
Dimensions	40x 25x 26 mm
Housing material	Metal, PBT
Material active face	Plastic, PBT
Connection	male, M12 x 1
Cable quality	4.8 mm, orange, D12YSL11X-OB, PUR, 0.2 m
Cable cross section	4 x 0.34 mm ²
Vibration resistance	55 Hz (1 mm)
Shock resistance	30 g (11 ms)
Protection class	IP67
MTTF	2283 years acc. to SN 29500 (Ed. 99) 40 °C
Switching state	●● green / yellow

Wiring diagram



Functional principle

Inductive sensors detect metal objects contactless and wear-free. For this purpose they use a high-frequency electromagnetic AC field that interacts with the target. The sensors hosting a ferrite core coil generate the AC field through an LC resonant circuit.