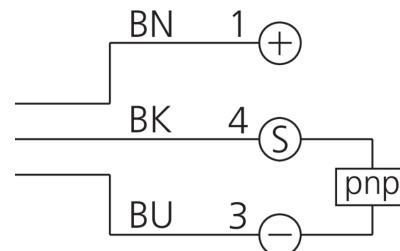
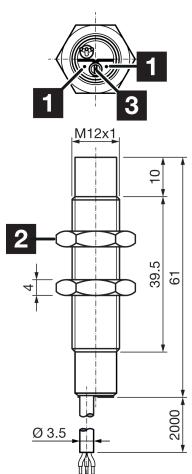


 200817

**KDC 12 K 08 POLK**
**Capacitive proximity switch**

- Detection of electrically conductive and electrically non-conductive materials
- Detection of liquids, powdery and solid materials
- Detection possible even through containers and packaging
- Sensitivity is adjustable
- Highly flexible cable
- Integrated amplifier
- Short-circuit protection
- Starting pulse suppression
- LEDs for service voltage and switching status



1) LED

3) sensitivity

BK: black

BN: brown

BU: blue

**Function**

**Technical data (typ.)**
**+20°C, 24 V DC**

Service voltage	10 ... 30 V DC
No-load current (max.)	13 mA (24 V DC)
Inverse polarity protection	Yes
Short-circuit protection	Yes
Insulation voltage endurance	500 V
Installation type	non-flush
Thread	M12 x 1
Housing length	61 mm
Housing material	Plastic (PBT) / Plastic (PA)
Material of cable	Polyurethane
Protection class	III, operation on protective low voltage
Operating principle	Capacitive
Evaluation	digital
Design	Thread
Scope of delivery	2 x M12 nuts
Switching output	pnp, 100 mA, NC
Voltage drop (max.)	1.5 V
Switching distance (SN)	8 mm
Standardized measuring plate	24 x 24 x 1 mm

 200817

KDC 12 K 08 POLK

Capacitive proximity switch

**Technical data (typ.)**

Switching hysteresis (max.)

**+20°C, 24 V DC**

15 %

Sensitivity adjustment

Potentiometer

Switching frequency

100 Hz

Readiness delay (max.)

100 ms

Ambient temperature during operation

-25 ... +85 °C

Protection type

IP 67

Connection

Cable, 2.0 m (flying leads), 3-pin

**More information / accessories**<https://www.di-soric.com/200817>