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extract from our online catalogue:

# *dbk-4/Empf/CDD/O/M18 /K3K1*

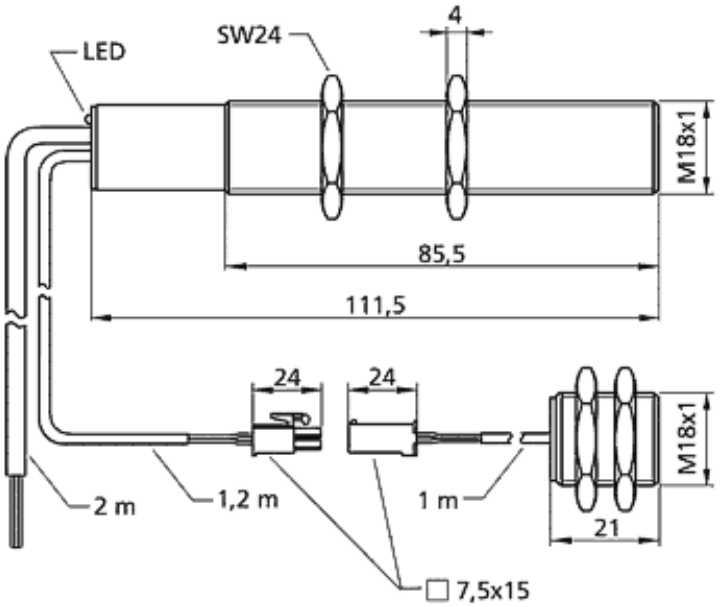
current to: 2026-11-19

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**Archivsensor**

# dbk-4/Empf/CDD/O/M18 /K3K1

## scale drawing




| Successor model available | please inquire |
|---|---|
| 2 x pnp | |
| design | cylindrical M18 |
| operating mode | double sheet control |
| working range | papers with weights of 20 - 1,200 g/m$^2$, metal-laminated sheets and films up to 0.4 mm thick, self-adhesive films, sheet metals up to 0.3 mm thick, fine corrugated card |
| particularities | receiver für ultrasonic-double sheet control<br>long connection cable |

## Ultrasonic-Specific

| | |
|---|---|
| means of measurement | pulse operation with amplitude evaluation |
| transducer frequency | 400 kHz |
| blind zone | 7 mm in front of transmitter and receiver |

## Electrical Data

| | |
|---|---|
| operating voltage $U_B$ | 20 - 30 V d.c., reverse polarity protection |
| voltage ripple | ± 10 % |
| no-load current consumption | ≤ 45 mA |
| type of connection | 3 m PVC cable, 5 × 0.25 $mm^2$ |

## Outputs

| | |
|---|---|
| output 1 | double sheet output<br>pnp: $I_{max}$ = 500 mA ($U_B$-2V)<br>NCC, short-circuit-proof |
| Ausgang 2 | missing sheet output<br>pnp: $I_{max}$ = 500 mA ($U_B$-2V)<br>NCC, short-circuit-proof |
| response delay | 2.5 ms or 6.5 ms in free-run mode |

## Inputs

| | |
|---|---|
| input 1 | control input |

## Housing

| | |
|---|---|
| material | brass sleeve, nickel-plated, plastic parts, PBT |
| ultrasonic transducer | polyurethane foam, epoxy resin with glass contents |
| class of protection to EN 60529 | IP 65 |
| operating temperature | +5°C to +60°C |
| storage temperature | -40°C to +85°C |
| weight | 130 g |

## Technical Features/Characteristics

| | |
|---|---|
| controls | not necessary |
| scope for settings | not necessary |
| indicators | 1 x Duo-LED; green: working / red: double sheet / flashing red: missing sheet |

## Accessories

| | |
|---|---|
| deployable accessory | BF-18<br>dbk-Testbogen |

## pin assignment

