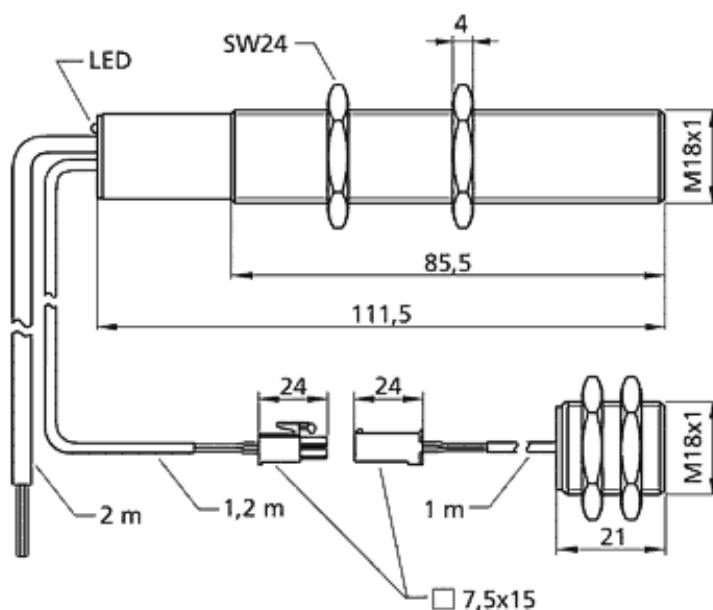




extract from our online catalogue:

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

current to: 2026-09-03

**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<sup>2</sup>, 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  
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              | $\pm 10 \%$                                 |
| no-load current consumption | $\leq 45 \text{ mA}$                        |
| type of connection          | 3 m PVC cable, $5 \times 0.25 \text{ mm}^2$ |

## outputs

|                |                                                                                                     |
|----------------|-----------------------------------------------------------------------------------------------------|
| output 1       | double sheet output<br>pnp: $I_{\max} = 500 \text{ mA}$ ( $U_B - 2V$ )<br>NCC, short-circuit-proof  |
| Ausgang 2      | missing sheet output<br>pnp: $I_{\max} = 500 \text{ mA}$ ( $U_B - 2V$ )<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



