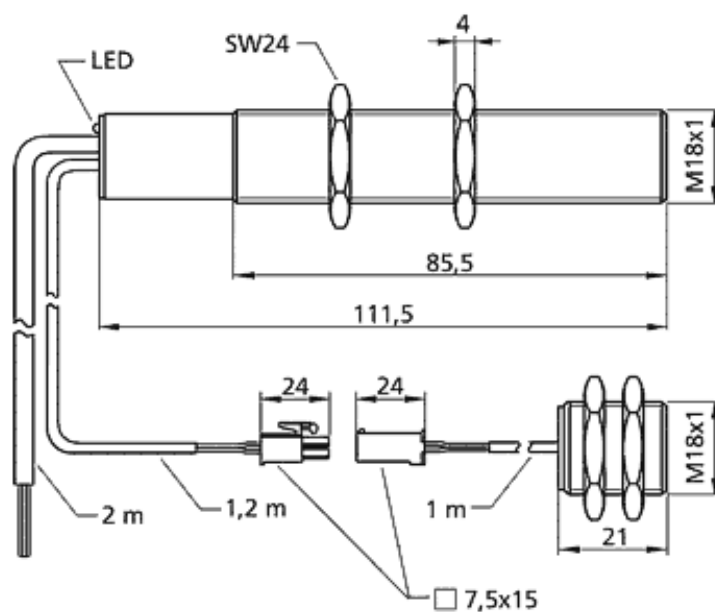




extract from our online catalogue:

***dbk-4/CD/O/M18 E+S***

current to: 2026-09-03

**dbk-4/CD/O/M18 E+S****scale drawing**

Successor model available

dbk+4/3CDD/M18 E+S



1 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**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 | $\leq 35 \text{ mA}$                        |
| type of connection          | 2 m PVC cable, $4 \times 0.34 \text{ mm}^2$ |

## outputs

|                |                                                                                                           |
|----------------|-----------------------------------------------------------------------------------------------------------|
| output 1       | double sheet output<br>pnp: $I_{\max} = 500 \text{ mA}$ ( $U_B - 2\text{V}$ )<br>NCC, short-circuit-proof |
| response delay | 6.5 ms in trigger mode, 24,5 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                          | 190 g                                                            |
| further versions                | dbk-4/CD/O/QP E+S<br>dbk-4/Sender/M18/K1<br>dbk-4/Empf/CD/O/ M18 |
| further versions                | cuboidal receiver<br>single transmitter/receiver                 |

## Technical Features/Characteristics

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

## Accessories

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

## pin assignment



