



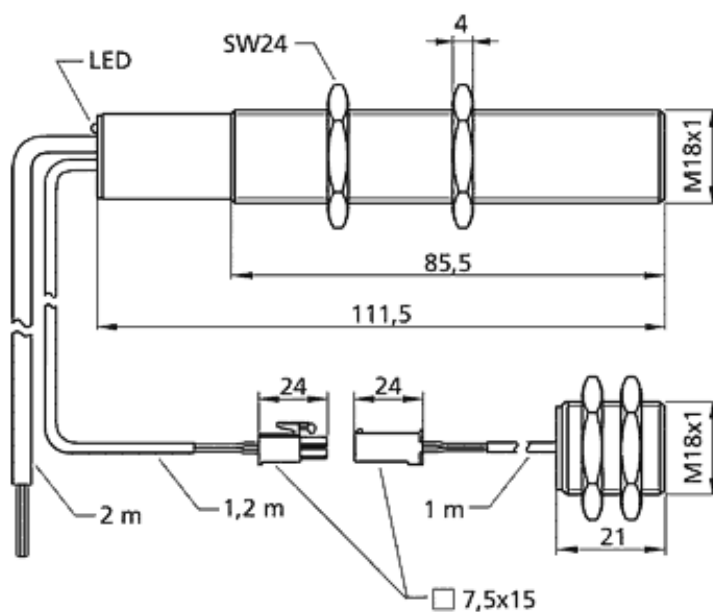
extract from our online catalogue:

dbk-4/Empf/BDD/O/M18

current to: 2026-09-03

dbk-4/Empf/BDD/O/M18

scale drawing



Successor model available		dbk+4/Empf/3CDD/M18
 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 for ultrasonic double sheet control	
<i>Ultrasonic-Specific</i>		
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	2 m PVC cable, $5 \times 0.25 \text{ mm}^2$

outputs

output 1	double sheet output pnp: $I_{\max} = 500 \text{ mA}$ ($U_B - 2V$) NOC, short-circuit-proof
Ausgang 2	missing sheet output pnp: $I_{\max} = 500 \text{ mA}$ ($U_B - 2V$) NCC, short-circuit-proof
response delay	0.5 ms in trigger 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 dbk-Testbogen
----------------------	------------------------

pin assignment



