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# *lpc-25/CDU/M18*

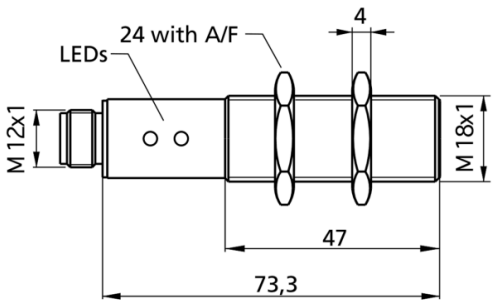
current to: 2026-11-03

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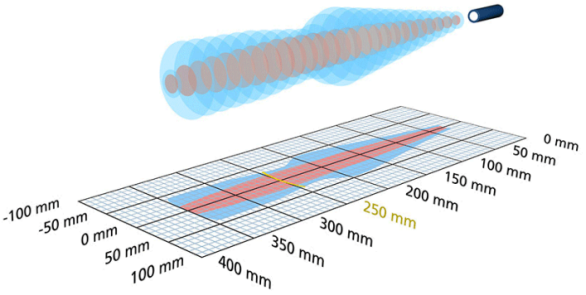
**Archivsensor**

# lpc-25/CDU/M18

## scale drawing




## detection zone




| Successor model available | lpc+25/CFU |
|---|---|
| 1 x pnp + 1 x analogue 0-10 V | 350 mm |
| design | cylindrical M18 |
| operating mode | proximity switch/reflective mode<br>reflective barrier<br>window mode |

## Ultrasonic-Specific

| | |
|---|---|
| means of measurement | echo propagation time measurement |
| transducer frequency | 320 kHz |
| blind zone | 30 mm |
| operating range | 250 mm |
| max. range | 350 mm |
| resolution | 0,069 mm bis 0,078 mm, abhängig vom eingestellten Analogfenster |
| reproducibility | ± 0.15 % |
| accuracy | ± 1 % (temperature drift internally compensated) |

## Electrical Data

| | |
|---|---|
| operating voltage $U_B$ | 10 - 30 V d.c., reverse polarity protection |
| voltage ripple | ± 10 % |
| no-load current consumption | ≤ 40 mA |
| type of connection | 5-pin M12 initiator plug |

## Outputs

| | |
|---|---|
| output 1 | analogue output<br>voltage: 0-10 V, short-circuit-proof<br>switchable rising/falling |
| Ausgang 2 | switching output<br>pnp: $I_{max}$ = 200 mA ($U_B$-2V)<br>NOC/NCC adjustable, short-circuit-proof |
| switching hysteresis | 2.0 mm |
| switching frequency | 25 Hz |
| response delay | 24 ms |
| delay prior to availability | < 300 ms |

## Inputs

| | |
|---|---|
| input 1 | com input<br>teach-in 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 67 |
| operating temperature | -25°C to +70°C |
| storage temperature | -40°C to +85°C |
| weight | 43 g |

## Technical Features/Characteristics

| | |
|---|---|
| temperature compensation | yes |
| controls | com input |
| scope for settings | Teach-in via com input on pin 5<br>LCA-2 with LinkControl |
| synchronization | yes |
| multiplex | no |
| indicators | 1 x LED yellow: switch status, 1 x LED yellow: object in the window |

## Accessories

| | |
|---|---|
| deployable accessory | KST5A-2/M12<br>KST5A-5/M12<br>KST5G-2/M12<br>KST5G-5/M12<br>UF-90/M18 |

## *pin assignment*

