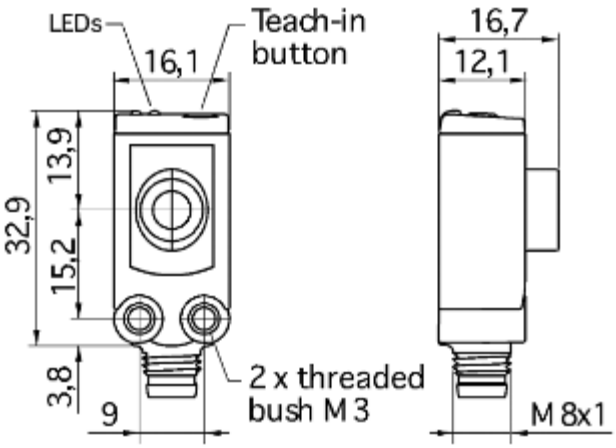
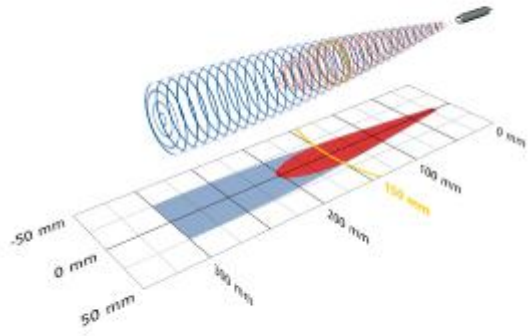
# sks-15/D

é mark for sensor comparison

**housing** **detection zone**




## 1 x pnp250 mm

| | |
|---|---|
| operating range | 20 - 150 mm |
| design | colloidal |
| operating mode | proximity switch/reflective mode<br>reflective barrier<br>window mode |

## ultrasonic -specific

| | |
|---|---|
| means of measurement | echo propagation time |
| transducer frequency | 380 kHz |
| blind zone | 20 mm |
| operating range | 150 mm |
| maximum range | 250 mm |
| angle of beam spread | please see graphics detection zone |
| resolution/sampling rate | 0.10 mm |
| reproducibility | ± 0.15 % |
| accuracy | temperature 0.17 %/K |

## electrical data

| | |
|---|---|
| operating voltage $U_B$ | 20 - 30 V d.c., reverse polarity protection |
| voltage ripple | ± 10 % |
| no-load current consumption | ⩽ 25 mA |
| type of connection | 3-pin M8 initiator plug |

## outputs

| | |
|---|---|
| output 1 | 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 time | 32 ms |
| delay prior to availability | < 300 ms |

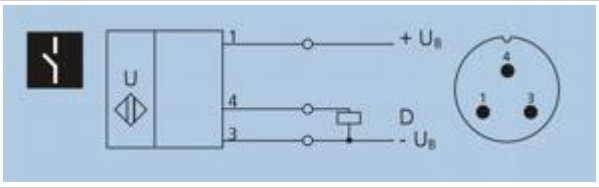
## housing

| | |
|---|---|
| material | ABS |
| 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 | 8 g |

## technical features/characteristics

| | |
|---|---|
| temperature compensation | no |
| controls | 1 pushbutton |
| scope for settings | teach-in |
| synchronization | no |
| multiplex | no |
| indicators | 1 x LED green: working, 1 x LED yellow: switch status |
| particularities | minimum colloidal design<br>narrow sound field |

## documentation & accessories

| | |
|---|---|
| user's manual | BA_ENG_sks.pdf |
| STEP | sks-15_XX_STP.zip |
| IGS | sks-15_XX_IGS.zip |
| IPT | sks-15_XX_IPT.zip |
| PDF | sks-15_XX_PDF.zip |
| SAT | sks-15_XX_SAT.zip |
| deployable accessory | KST3A-2/M8<br>KST3A-5/M8<br>KST3G-2/M8<br>KST3G-5/M8 |
| pin assignment |  |
| order no. | **sks-15/D** |

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