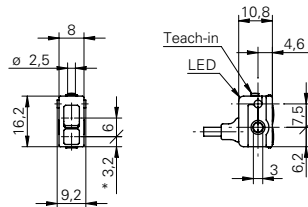


Diffuse sensors with intensity difference

FZCK 07

sample drawing



* emitter axis

general data

| | |
|-------------------------------------|--------------------------|
| type | intensity difference |
| light source | pulsed red LED |
| sensing distance T_w | 20 ... 150 mm |
| alignment / soiled lens indicator | flashing light indicator |
| light indicator | LED green |
| output indicator | LED yellow |
| sensitivity adjustment | Teach-in |
| wave length | 660 nm |
| suppression of reciprocal influence | yes |

electrical data

| | |
|------------------------------|----------------------|
| response time / release time | < 0,5 ms |
| voltage supply range +Vs | 10 ... 30 VDC |
| current consumption max. | 25 mA |
| current consumption typ. | 20 mA |
| voltage drop Vd | < 1,8 VDC |
| output function | light / dark operate |
| output current | < 100 mA |
| short circuit protection | yes |
| reverse polarity protection | yes |

mechanical data

| | |
|------------------|--------------------------|
| width / diameter | 8 mm |
| height / length | 16,2 mm |
| depth | 10,8 mm |
| type | rectangular |
| housing material | plastic (PMMA, MABS, PA) |
| front (optics) | PMMA |

ambient conditions

| | |
|-----------------------|----------------|
| operating temperature | -20 ... +50 °C |
| protection class | IP 65 |

sample picture



Diffuse sensors with intensity difference

FZCK 07

| order reference | connection types | output circuit |
|--------------------|----------------------------|----------------|
| FZCK 07N6901 | cable rear side, 2 m | NPN |
| FZCK 07N6901/KS35A | flylead connector M8 4 pin | NPN |
| FZCK 07P6901 | cable rear side, 2 m | PNP |
| FZCK 07P6901/KS35A | flylead connector M8 4 pin | PNP |