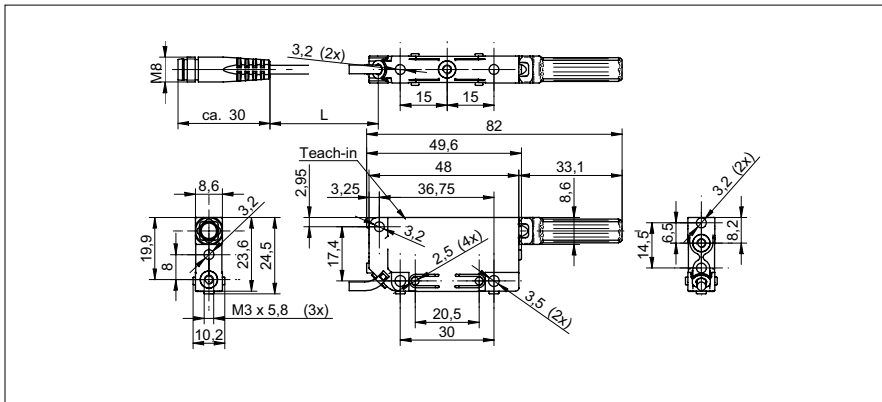


Ultrasonic proximity sensors

UNCK 09G8914/KS35AD1

dimension drawing



general data

| | |
|------------------------------|----------------------------|
| scanning range sd | 3 ... 150 mm |
| scanning range far limit Sde | 3 ... 150 mm |
| hysteresis typ. | 4 % Sde |
| repeat accuracy | < 0,5 mm |
| temperature drift | < 0,18 % Sde/K |
| adjustment | Teach-in |
| response time ton | < 7 ms |
| release time toff | < 7 ms |
| alignment aid | target indication flashing |
| sonic frequency | 380 kHz |
| output indicator | green LED / red LED |

electrical data

| | |
|------------------------------------|---------------|
| voltage supply range +Vs | 12 ... 30 VDC |
| current consumption max. (no load) | 35 mA |
| output circuit | push-pull |
| output current | < 100 mA |
| voltage drop Vd | < 2 VDC |
| residual ripple | < 10 % Vs |
| short circuit protection | yes |
| reverse polarity protection | yes |

mechanical data

| | |
|------------------|--------------------------------|
| type | rectangular |
| housing material | PA 12 |
| width / diameter | 8,6 mm |
| height / length | 82 mm |
| depth | 24,5 mm |
| connection types | flylead connector M8, L=200 mm |

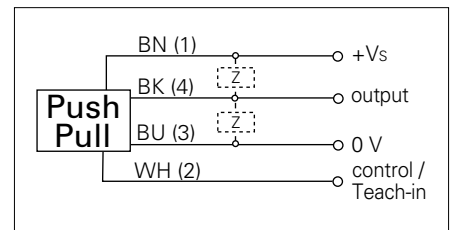
ambient conditions

| | |
|-----------------------|--------------|
| operating temperature | 0 ... +60 °C |
| protection class | IP 67 |

photo



connection diagram



- Scanning range 3 ... 150 mm, measured from nozzle