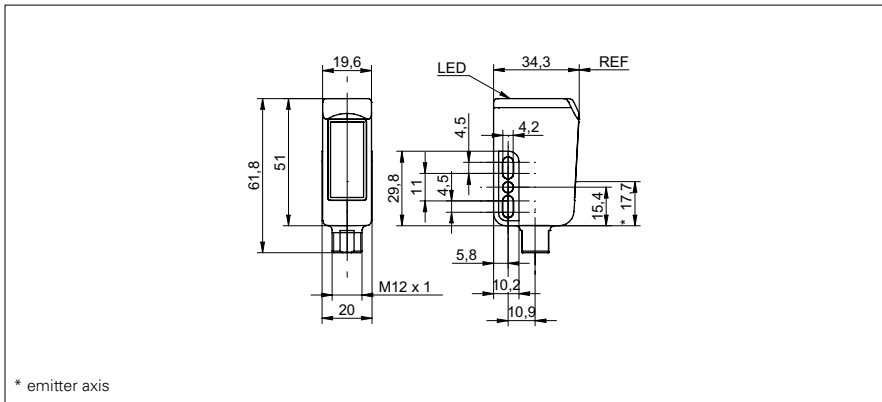


SmartReflect Light barriers

FNDR 14G6902/S14

dimension drawing



general data

| | |
|-----------------------------------|---------------------------|
| type | light barrier |
| special type | Washdown design |
| version | Tray and bottle detection |
| light source | pulsed point source LED |
| background position Sde | 200 ... 800 mm on V4A |
| minimal signal attenuation | 30 % |
| alignment / soiled lens indicator | flashing light indicator |
| power on indication | LED green |
| output indicator | LED red |
| sensing distance adjustment | Teach-in |
| wave length | 660 nm |
| approvals/certificates | Ecolab |

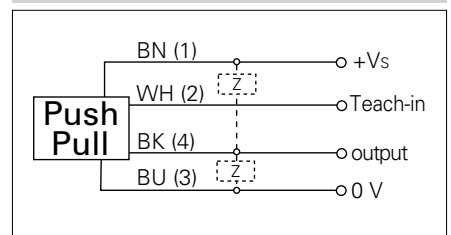
photo



electrical data

| | |
|------------------------------------|----------------------|
| response time / release time | < 1,8 ms |
| voltage supply range +Vs | 10 ... 30 VDC |
| current consumption max. (no load) | 40 mA |
| current consumption typ. | 35 mA |
| voltage drop Vd | < 2 VDC |
| output function | light / dark operate |
| output circuit | push-pull |
| output current | < 100 mA |
| short circuit protection | yes |
| reverse polarity protection | yes, Vs to GND |

connection diagram



proTect⁺

mechanical data

| | |
|------------------|------------------------------|
| width / diameter | 19,6 mm |
| height / length | 51 mm |
| depth | 34,3 mm |
| type | rectangular |
| housing material | stainless steel 1.4404 (V4A) |
| front (optics) | PMMA |
| connection types | connector M12 |



- Sensor FDA compliant and Ecolab approved
- sensitivity adjustable: via Teach-in wire input

SmartReflect Light barriers**FNDR 14G6902/S14****ambient conditions**

| | |
|-----------------------|----------------------|
| operating temperature | -30 ... +60 °C |
| protection class | IP 68/69K & proTect+ |
| storage temperature | -30 ... +70 °C |