



FOTOCELLER: SERIE 4040



- ✓ **Compact sensor serie** \varnothing 40 x 40 x 19 mm in rugged Crastin housings
- ✓ **Shock & vibration resistant** på grund af fuldstøbt elektronik
- ✓ **Polariseringsfilter** (refleksfotoceller)
- ✓ **Høj systemreserve (smudsreserve)**
- ✓ **Fejlovervågning (smudsovervågning)**
- ✓ **Skiftfunktion**
- ✓ **Glas-fiber optic amplifier** (temperatures up to +250 °C)

TEKNISKE DATA

| (according to IEC 60947-5-2) | |
|---|------------------------------------|
| Materiale hus | Glasfiberforstærket PBTP (Crastin) |
| Hysteres | 10 % typ. |
| Forsyningsspænding U_B | 10 ... 36 VDC |
| Maks. ripple | \leq 20 % |
| Udgangsstrøm (total of both outputs) | \leq 200 mA |
| Spændingsfald | \leq 2.0 V ved 200 mA |
| Maks. tastefrekvens | 1,000 Hz |
| Koblingstid (\boxtimes and \boxtimes) | 0.5 msec |
| Maks. omgivende lys: | |
| halogen | 5,000 Lux |
| sol | 10,000 Lux |
| Temperaturområde | -25 ... +55 °C |
| Tæthedsklasse | IP 67 |
| EMC beskyttelse: | |
| IEC 60947-5-2 (7.2.3.1) | 5 kV |
| IEC 61000-4-2 | Niveau 2 |
| IEC 61000-4-3 | Niveau 3 |
| IEC 61000-4-4 | Niveau 3 |
| Kortslutningsbeskyttelse | Indbygget |
| Polaritetsbeskyttelse | Indbygget |
| Reset ved tilslutning | Indbygget |

Compact sensor serie in rugged Crastin housings \varnothing 40 x 40 x 19 mm. Shock and vibration resistant with Høj systemreserve (smudsreserve) and skiftfunktion. Glas-fiber optic amplifier for ambient temperatures up to +250 °C as well as polariseret refleksfotocelles. Pollution monitoring (green LED) in case of reduced system reserves (smudsreserve) prevents downtime caused by pollution. Particularly suited for

- ✓ **wrapping machines**
- ✓ **machine tool industry**
- ✓ **filling systems**
- ✓ **elevator industry**
- ✓ **stock & conveyor systems**

DIMENSION

40 X 40 X 19

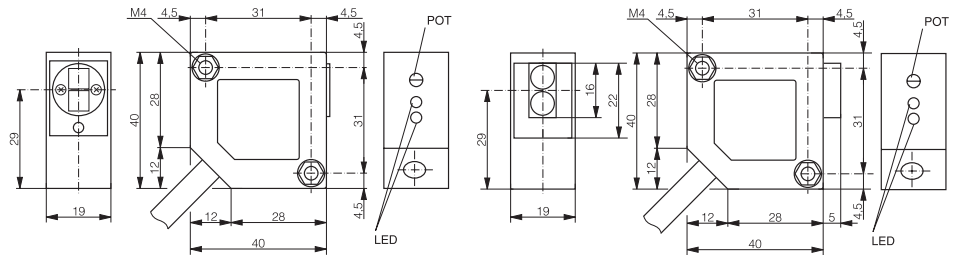
TASTEAFSTAND

DIFFUS FOTOCELLE
2,000 mm

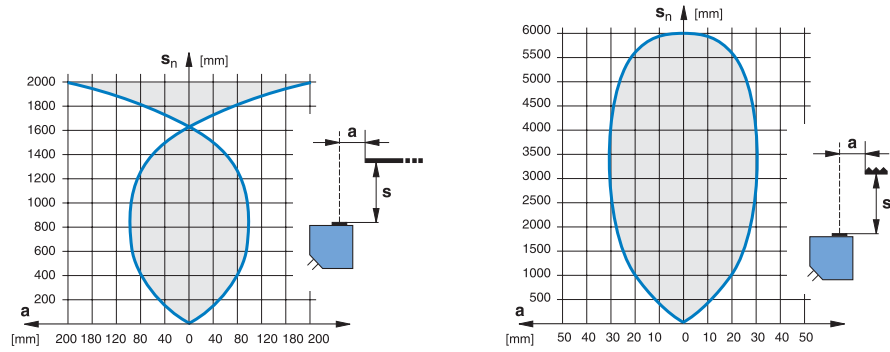
REFLEKSFOTOCELLE (POLARISERET)
6,000 mm



Dimensioner:



Responskurver:



TEKNISKE DATA

| | | |
|--------------------------------------|--------------------|----------------------------|
| Tasteafstand | 2,000 mm | 6,000 mm |
| Standard emne / reflektor (side 197) | 400 x 400 mm white | Reflektor type 3 |
| Tomgangsstrøm | ≤ 25 mA | ≤ 20 mA |
| Sender | IR LED 880 nm | Rød LED polariseret 660 nm |
| Godkendelser | CE, UL, RoHS | CE, UL, RoHS |
| Vægt (kabel / connector model) | 90 / 35 g | 90 / 35 g |

PART REFERENCES

| (FED: foretrukne typer) | | |
|-----------------------------------|---------------------|---------------------|
| NPN skiftefunktion / kabel | LTK-4040-101 | LRK-4040-101 |
| NPN lys-ON + smudsreserve / kabel | LTK-4040-102 | LRK-4040-102 |
| NPN skiftefunktion / S8 | LTS-4040-101 | LRS-4040-101 |
| NPN lys-ON + smudsreserve / S8 | LTS-4040-102 | LRS-4040-102 |
| PNP skiftefunktion / kabel | LTK-4040-103 | LRK-4040-103 |
| PNP lys-ON + smudsreserve / kabel | LTK-4040-104 | LRK-4040-104 |
| PNP skiftefunktion / S8 | LTS-4040-103 | LRS-4040-103 |
| PNP lys-ON + smudsreserve / S8 | LTS-4040-104 | LRS-4040-104 |
| Anvendelige stik (side 268) | E, F | E, F |
| Tilslutning (side 198-199) | Diagram 2 | Diagram 2 |

Induktive følere

Fotoceller

Optiske fibre

Ultralydsensorer

Kapacitive følere

Kabler & stikforb.

Tilbehør

Leksikon

Indeks

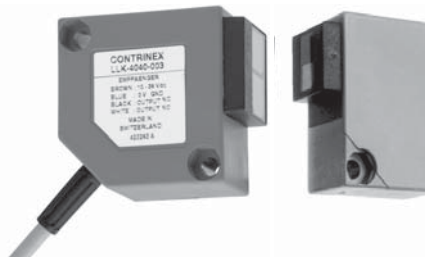
DIMENSION

40 X 40 X 19

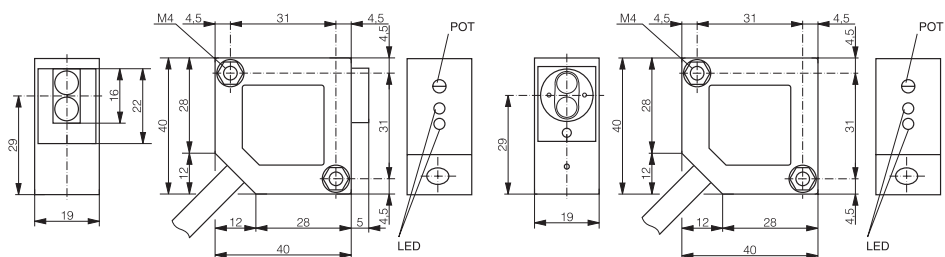
TASTEAFSTAND

ENVEJS FOTOCELLER
15,000 mm

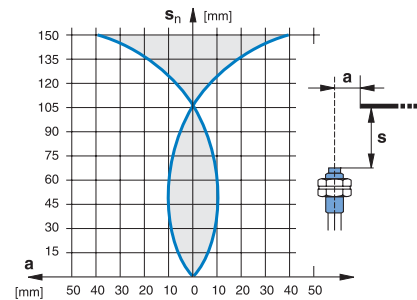
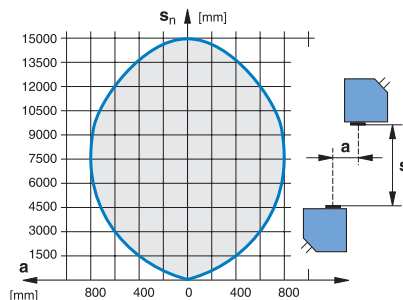
FIBER-OPTIC AMPLIFIER *
150 mm



Dimensioner:



Responskurver:



TEKNISKE DATA

| | | |
|--------------------------------|---------------------------|----------------------------|
| Tastefasthed | 15,000 mm | 150 mm (with LFG-1030-050) |
| Standard emne | --- | 100 x 100 mm white |
| Tomgangsstrøm | ≤ 10 mA (M) / ≤ 15 mA (S) | ≤ 20 mA |
| Sender | IR LED 880 nm | IR LED 880 nm |
| Godkendelser | CE, UL, RoHS | CE, UL, RoHS |
| Vægt (kabel / connector model) | 190 / 70 g (R and E) | 95 / 35 g |

PART REFERENCES

| (FED: foretrukne typer) | (M) modtager / (S) sender | |
|-----------------------------------|--|---------------------|
| NPN skiftefunktion / kabel | LLK-4040-001 (M) / LLK-4040-000 (S) | LFK-4040-101 |
| NPN lys-ON + smudsreserve / kabel | LLK-4040-002 (M) / LLK-4040-000 (S) | LFK-4040-102 |
| NPN skiftefunktion / S8 | LLS-4040-001 (M) / LLS-4040-000 (S) | LFS-4040-101 |
| NPN lys-ON + smudsreserve / S8 | LLS-4040-002 (M) / LLS-4040-000 (S) | LFS-4040-102 |
| PNP skiftefunktion / kabel | LLK-4040-003 (M) / LLK-4040-000 (S) | LFK-4040-103 |
| PNP lys-ON + smudsreserve / kabel | LLK-4040-004 (M) / LLK-4040-000 (S) | LFK-4040-104 |
| PNP skiftefunktion / S8 | LLS-4040-003 (M) / LLS-4040-000 (S) | LFS-4040-103 |
| PNP lys-ON + smudsreserve / S8 | LLS-4040-004 (M) / LLS-4040-000 (S) | LFS-4040-104 |
| Anvendelige stik (side 268) | E, F | E, F |
| Tilslutning (side 198-199) | Diagram 2 (M) / 4 (S) | Diagram 2 |

* Optiske fibre (side 200 - 219)