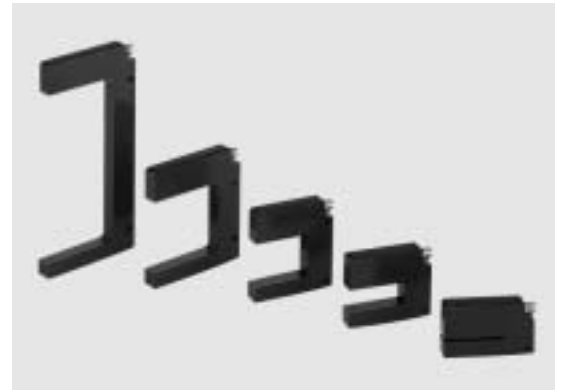


F 95 S



- Spread : 2 to 120 mm
- Supply : 10 to 30 VDC
- Output : PNP / NPN
- High sensitivity
- High speed
- Built-in amplifier



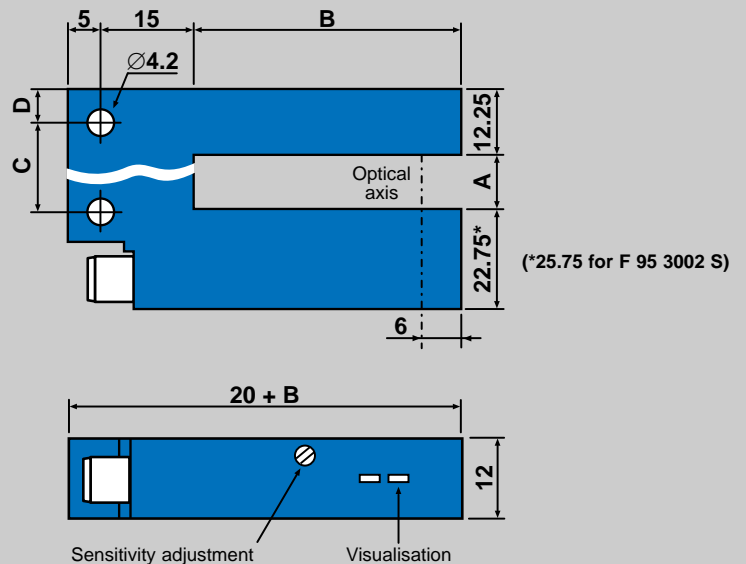
Description :

- Simple and accurate adjustment by potentiometer (25 rotations)
- Output indicator
- Direct / inverse output
- Output : PNP / NPN
- M8 plug
- Painted aluminium strong housing

Applications :

- Lateral shift control of a belt.
- Detection on a labelling machine.
- Handling : control of tools travel.
- Detection of sheets overlapping.
- Detection of marks on a translucent film.
- Lift cage position control.

Dimensions and Visualisation



| Fork | A (mm) | B (mm) | C (mm) | D (mm) |
|-----------------------------------|--------|--------|--------|--------|
| F 95 3002 S (Continuous emission) | 2 | 40 | 14 | 6.25 |
| F 95 4002 S (Modulated emission) | 2 | 40 | 14 | 6.25 |
| F 95 4015 S (Modulated emission) | 15 | 40 | 27 | 6.25 |
| F 95 4030 S (Modulated emission) | 30 | 40 | 42 | 6.25 |
| F 95 4050 S (Modulated emission) | 50 | 57 | 40 | 17.25 |
| F 95 4080 S (Modulated emission) | 80 | 57 | 70 | 17.25 |
| F 95 4120 S (Modulated emission) | 120 | 57 | 110 | 17.25 |

Wiring Connections



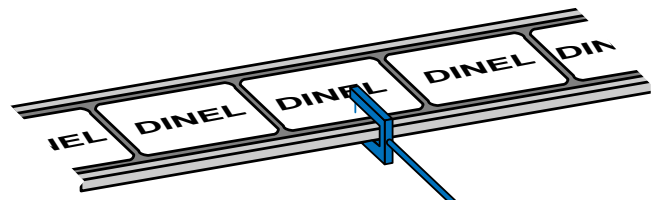
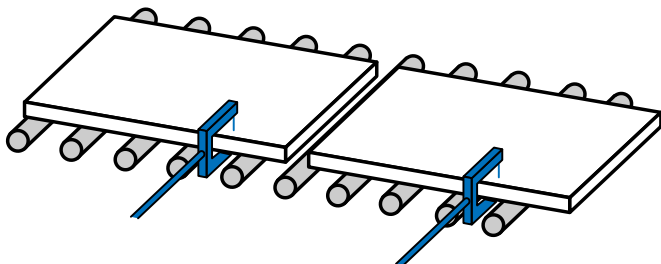
| Technical information | | Modulated emission | Continuous emission |
|-------------------------|-------------------------------------|---|---------------------|
| Supply | voltage | 10 / 30 VDC ripple < 10% within specified limits | |
| | consumption | 30 mA | 40 mA |
| Response time | t _{on} or t _{off} | 1 ms | 30 μs |
| | switching frequency | 500 Hz | 10 KHz |
| Output | max. nominal intensity | 100 mA | |
| | residual voltage at 100 mA | < 2 V | |
| | residual voltage at 10 mA | < 1 V | |
| Emission | LED | infra-red | |
| | modulation frequency | 7.7 KHz | continuous |
| Temperature | operating | -20 to 60 °C | |
| | storage | -20 to 80 °C | |
| External light immunity | incandescent light | 3 000 lux | 3 000 lux |
| | sunlight | 10 000 lux | 3 000 lux |
| Protections | supply | inverse polarity protection | |
| | output | permanent short-circuit or over-load protection | |
| | degree of protection | IP 65 | |

| To Place Order | |
|----------------|---|
| Product | Fork sensor |
| Reference | F 95 - _____ - () - S - 10 / 30 VDC |
| Type | Cf. "Dimensions table" (C0) output M8 plug without cable (C2) output M8 plug with cable 2m (C5) output M8 plug with cable 5m |

TYPES OF APPLICATIONS

Example 1

Detection of sheets position on a conveyor.



Example 2

Detection of labels on a strip.