

TOP BENEFITS

Fully embedded Amplifier

Very short housings also in the Performance series

Stainless steel housings, potted with epoxy and fiber-glass reinforced substrates / PCBs for maximum long-term stability

Temperature range from -25 ... +75 °C

HAUPTVORTEILE

Vollständig integrierter Verstärker

Sehr kurze Bauformen ebenfalls in der Performance Serie

Edelstahlgehäuse, Epoxidverguss und Glasfaserverstärkte Substrate / Leiterplatten für maximale Langzeitstabilität

Temperaturbereich von -25 ... +75 °C

OPTICAL

Frame-Light-Barrier



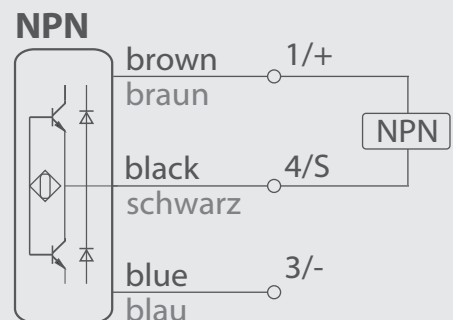
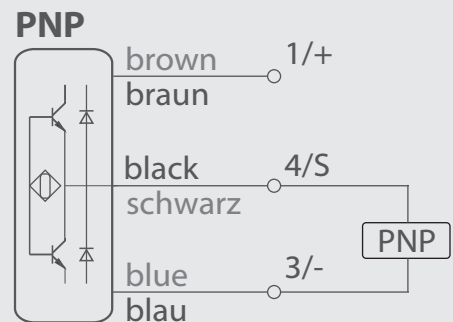
Caution

all devices from this section may not be used if the safety of persons rely on their faultless function!

Achtung

alle Geräte in diesem Abschnitt dürfen nicht verwendet werden, wenn die Sicherheit von Personen von deren einwandfreier Funktion abhängig ist!

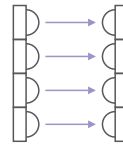
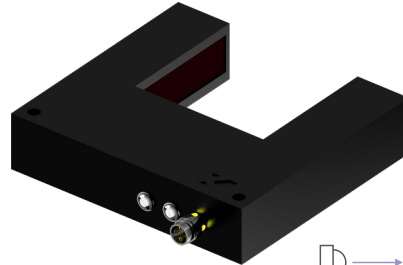
CONNECTION



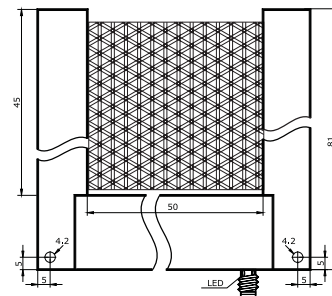
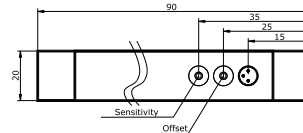
OPF

**Frame-Opening
Rahmenweite**

50 mm



Detecting

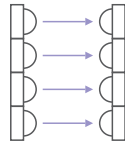
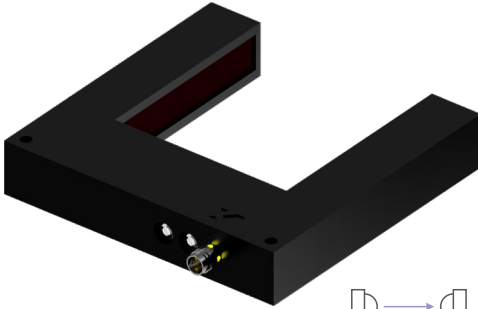


Housing	Bauform	50 x 35
Fork Opening	Gabelweite	50 mm
Operating Voltage	Betriebsspannung	10...35 V _{DC}
Current Load Capability	Ausgangsbelastbarkeit	200 mA
Switching Frequency	Schaltfrequenz	2.5 KHz
Operating Temperature	Betriebstemperatur	-10...+60 °C
Protection Class	Schutzklasse	IP 67
Adjustment	Einstellung	270° Potentiometer
Housing	Gehäuse	Aluminium
Connection	Anschluss	M8
Switching Indicator	Schaltanzeige	built-in integriert
Ambient Light Immunity	Umgebungslicht/Schutz	10.000 lux

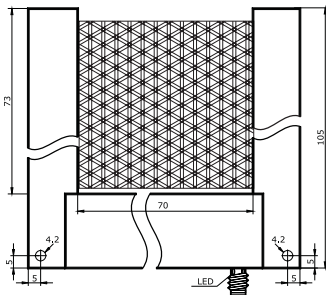
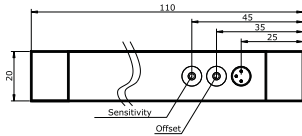
PNP, NO - 10... 30 VDC		OPF50-PO150-A8
PNP, NC - 10... 30 VDC		OPF50-PC150-A8
NPN, NO - 10... 30 VDC		OPF50-NO150-A8
NPN, NC - 10... 30 VDC		OPF50-NC150-A8

Frame-Opening
Rahmenweite

70 mm

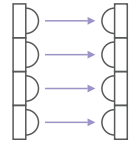
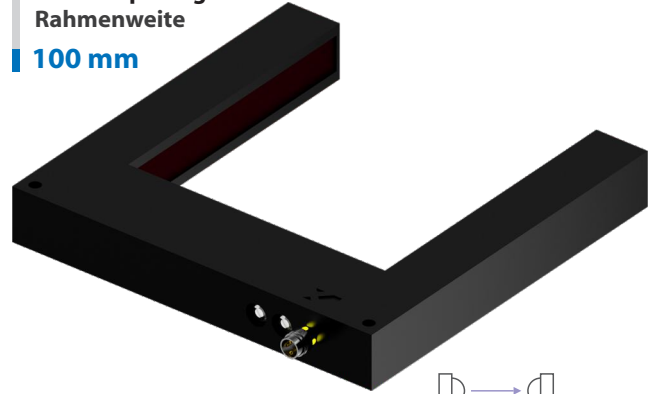


Detecting

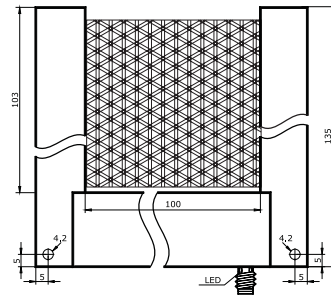
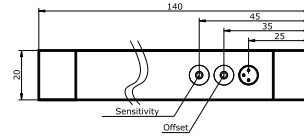


Frame-Opening
Rahmenweite

100 mm



Detecting



OPF 70

70 mm

10...35 V_{DC}

200 mA

2.5 KHz

-10...+60 °C

IP 67

270° Potentiometer

Aluminium

M8

built-in integriert

10.000 lux

OPF70-PO150-A8

OPF70-PC150-A8

OPF70-NO150-A8

OPF70-NC150-A8

OPF 100

100 mm

10...35 V_{DC}

200 mA

2.5 KHz

-10...+60 °C

IP 67

270° Potentiometer

Aluminium

M8

built-in integriert

10.000 lux

OPF100-PO150-A8

OPF100-PC150-A8

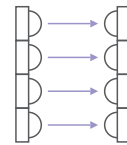
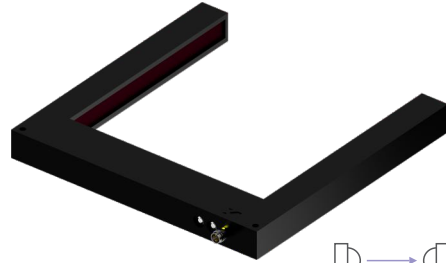
OPF100-NO150-A8

OPF100-NC150-A8

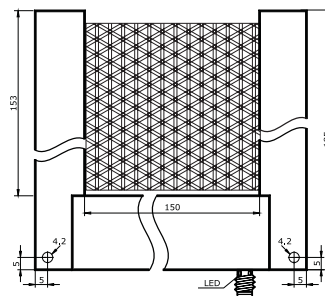
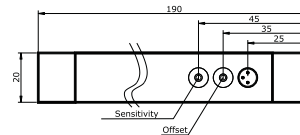
OPF

**Frame-Opening
Rahmenweite**

150 mm



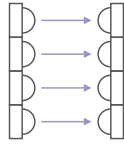
Detecting



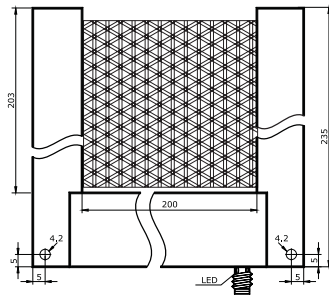
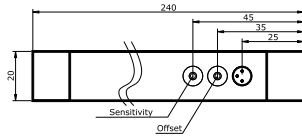
Housing	Bauform	OPF 150
Fork Opening	Gabelweite	150 mm
Operating Voltage	Betriebsspannung	10...35 V _{DC}
Current Load Capability	Ausgangsbelastbarkeit	200 mA
Switching Frequency	Schaltfrequenz	2.5 KHz
Operating Temperature	Betriebstemperatur	-10...+60 °C
Protection Class	Schutzklasse	IP 67
Adjustment	Einstellung	270° Potentiometer
Housing	Gehäuse	Aluminium
Connection	Anschluss	M8
Switching Indicator	Schaltanzeige	built-in integriert
Ambient Light Immunity	Umgebungslicht/Schutz	10.000 lux
PNP, NO - 10... 30 VDC		OPF150-PO150-A8
PNP, NC - 10... 30 VDC		OPF150-PC150-A8
NPN, NO - 10... 30 VDC		OPF150-NO150-A8
NPN, NC - 10... 30 VDC		OPF150-NC150-A8

Frame-Opening
Rahmenweite

200 mm

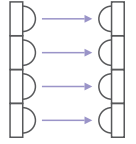


Detecting

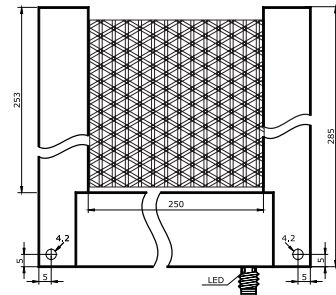
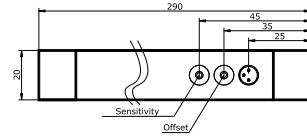


Frame-Opening
Rahmenweite

250 mm



Detecting



OPF 200

200 mm

10...35 V_{DC}

200 mA

2.5 KHz

-10...+60 °C

IP 67

270° Potentiometer

Aluminium

M8

built-in integriert

10.000 lux

OPF200-PO150-A8

OPF200-PC150-A8

OPF200-NO150-A8

OPF200-NC150-A8

OPF 250

250 mm

10...35 V_{DC}

200 mA

2.5 KHz

-10...+60 °C

IP 67

270° Potentiometer

Aluminium

M8

built-in integriert

10.000 lux

OPF250-PO150-A8

OPF250-PC150-A8

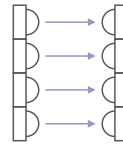
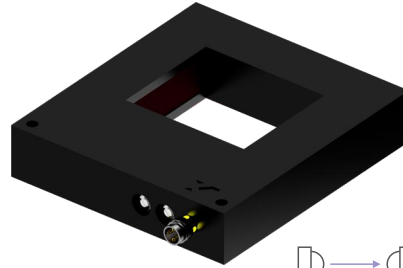
OPF250-NO150-A8

OPF250-NC150-A8

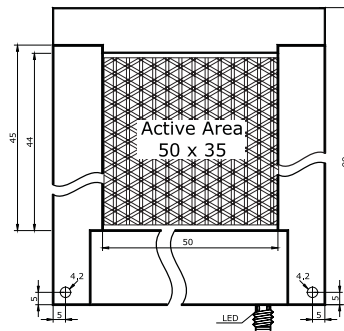
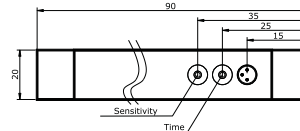
OPFT

Frame-Opening Rahmenweite

50 mm



Detecting

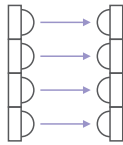
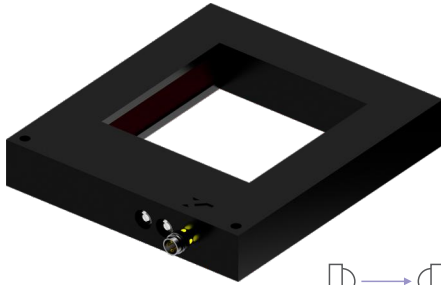


Housing	Bauform	OPFT 50
Fork Opening	Gabelweite	50 mm
Operating Voltage	Betriebsspannung	10...35 VDC
Current Load Capability	Ausgangsbelastbarkeit	200 mA
Switching Frequency	Schaltfrequenz	2.5 KHz
Operating Temperature	Betriebstemperatur	-10...+60 °C
Protection Class	Schutzklasse	IP 67
Adjustment	Einstellung	270° Potentiometer
Housing	Gehäuse	Aluminium
Connection	Anschluss	M8
Switching Indicator	Schaltanzeige	built-in integriert
Ambient Light Immunity	Umgebungslicht/Schutz	10.000 lux

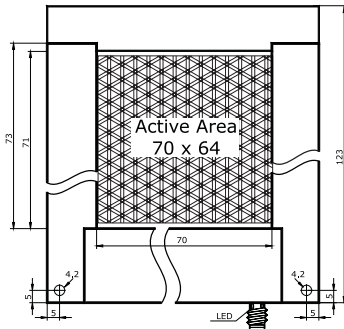
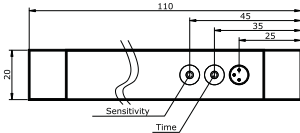
PNP, NO - 10... 30 VDC	—	OPFT50-PO150-A8
PNP, NC - 10... 30 VDC	—	OPFT50-PC150-A8
NPN, NO - 10... 30 VDC	—	OPFT50-NO150-A8
NPN, NC - 10... 30 VDC	—	OPFT50-NC150-A8

**Frame-Opening
Rahmenweite**

70 mm

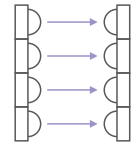
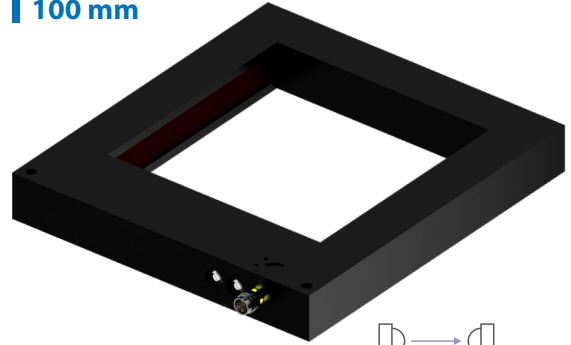


Detecting

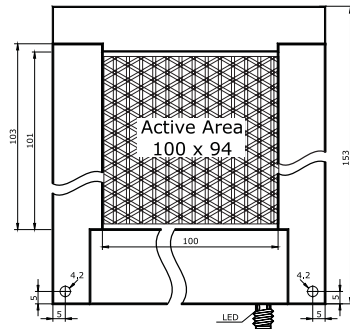
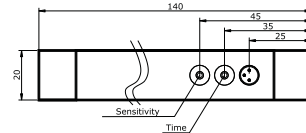


**Frame-Opening
Rahmenweite**

100 mm



Detecting



OPFT 70

70 mm

10...35 V_{DC}

200 mA

2.5 KHz

-10...+60 °C

IP 67

270° Potentiometer

Aluminium

M8

built-in integriert

10.000 lux

OPFT70-PO150-A8

OPFT70-PC150-A8

OPFT70-NO150-A8

OPFT70-NC150-A8

OPFT 100

100 mm

10...35 V_{DC}

200 mA

2.5 KHz

-10...+60 °C

IP 67

270° Potentiometer

Aluminium

M8

built-in integriert

10.000 lux

OPFT100-PO150-A8

OPFT100-PC150-A8

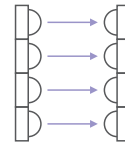
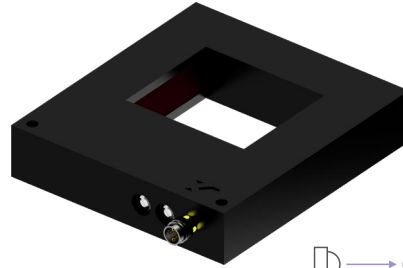
OPFT100-NO150-A8

OPFT100-NC150-A8

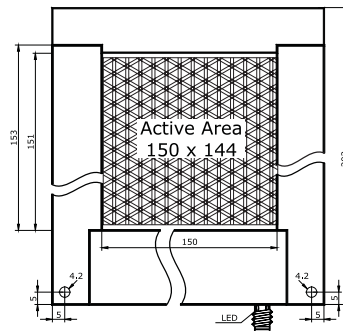
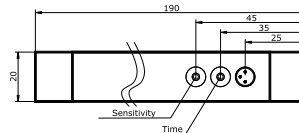
OPFT

Frame-Opening
Rahmenweite

150 mm



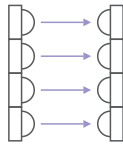
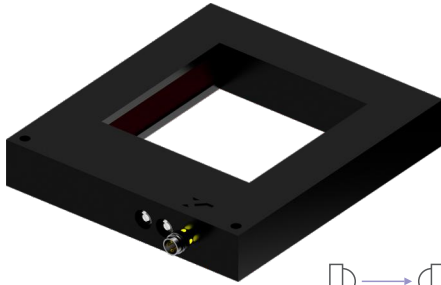
Detecting



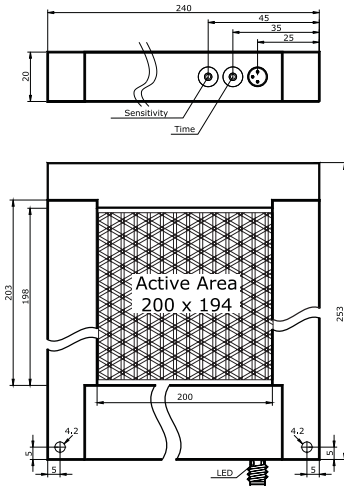
Housing	Bauform	OPFT 150
Fork Opening	Gabelweite	150 mm
Operating Voltage	Betriebsspannung	10...35 VDC
Current Load Capability	Ausgangsbelastbarkeit	200 mA
Switching Frequency	Schaltfrequenz	2.5 KHz
Operating Temperature	Betriebstemperatur	-10...+60 °C
Protection Class	Schutzklasse	IP 67
Adjustment	Einstellung	270° Potentiometer
Housing	Gehäuse	Aluminium
Connection	Anschluss	M8
Switching Indicator	Schaltanzeige	built-in integriert
Ambient Light Immunity	Umgebungslicht/Schutz	10.000 lux
PNP, NO - 10... 30 VDC		OPFT150-PO150-A8
PNP, NC - 10... 30 VDC		OPFT150-PC150-A8
NPN, NO - 10... 30 VDC		OPFT150-NO150-A8
NPN, NC - 10... 30 VDC		OPFT150-NC150-A8

**Frame-Opening
Rahmenweite**

200 mm

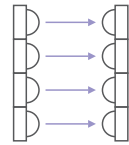
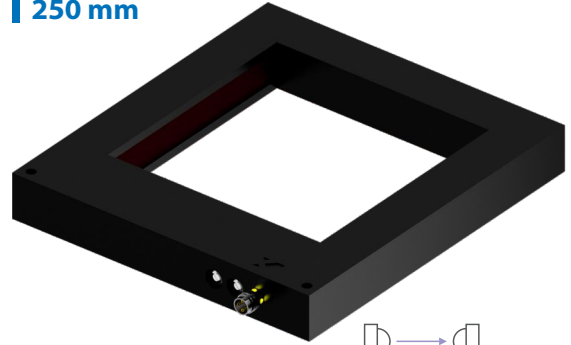


Detecting

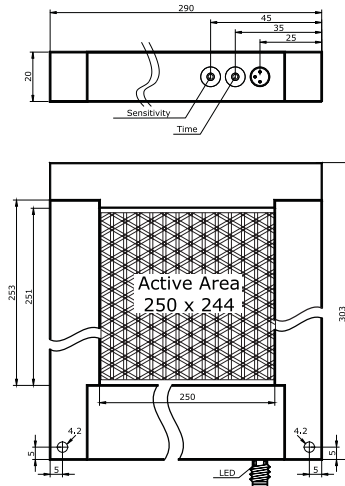


**Frame-Opening
Rahmenweite**

250 mm



Detecting



OPFT 200

200 mm
10...35 V_{DC}
200 mA
2.5 KHz
-10...+60 °C
IP 67
270° Potentiometer
Aluminium
M8
built-in integriert
10.000 lux

OPFT200-PO150-A8
OPFT200-PC150-A8
OPFT200-NO150-A8
OPFT200-NC150-A8

OPFT 250

250 mm
10...35 V_{DC}
200 mA
2.5 KHz
-10...+60 °C
IP 67
270° Potentiometer
Aluminium
M8
built-in integriert
10.000 lux

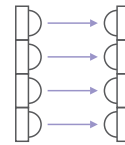
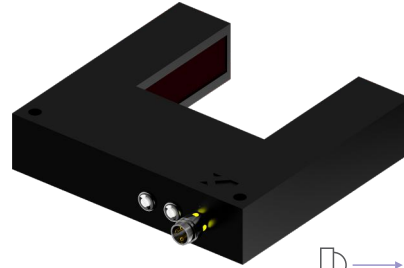
OPFT250-PO150-A8
OPFT250-PC150-A8
OPFT250-NO150-A8
OPFT250-NC150-A8

OPFA

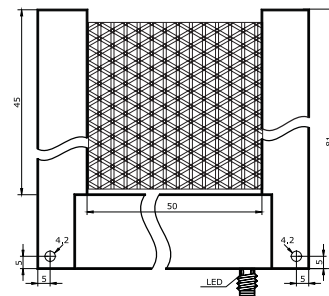
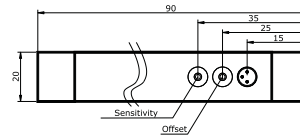
Analog-Output

**Frame-Opening
Rahmenweite**





50 mm



Measuring



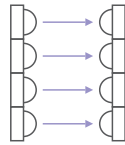
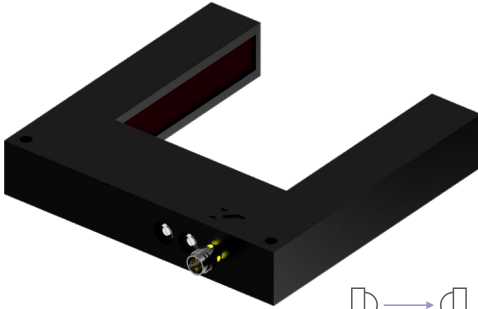
Housing	Bauform	50 x 35
Frame Opening	Rahmenweite	50 mm
Operating Voltage	Betriebsspannung	24 VDC, 3-wire
Current Load Capability	Ausgangsbelastbarkeit	10 mA, short-circuit-proof
Switching Frequency	Schaltfrequenz	1 KHz
Operating Temperature	Betriebstemperatur	-10...+60 °C
Protection Class	Schutzklasse	IP 67
Adjustment	Einstellung	0...11 VDC, Ramp adjustable
Housing	Gehäuse	Aluminium
Connection	Anschluss	M8
Switching Indicator	Schaltanzeige	built-in integriert
Ambient Light Immunity	Umgebungslicht/Schutz	10.000 lux

PNP, NO - 10... 30 VDC 
 PNP, NC - 10... 30 VDC 
 NPN, NO - 10... 30 VDC 
 NPN, NC - 10... 30 VDC 
 PNP, Analog Voltage (0...10 VDC)

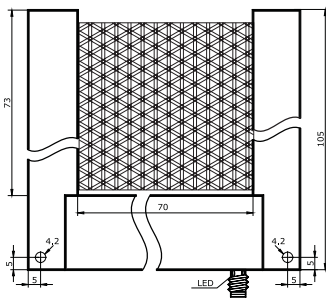
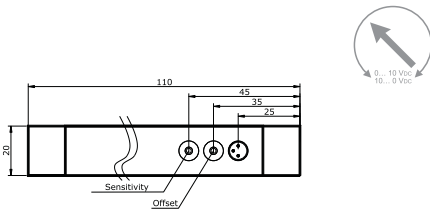
OPF50-AV010-A8

Frame-Opening
Rahmenweite

70 mm

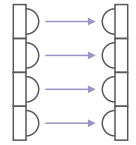
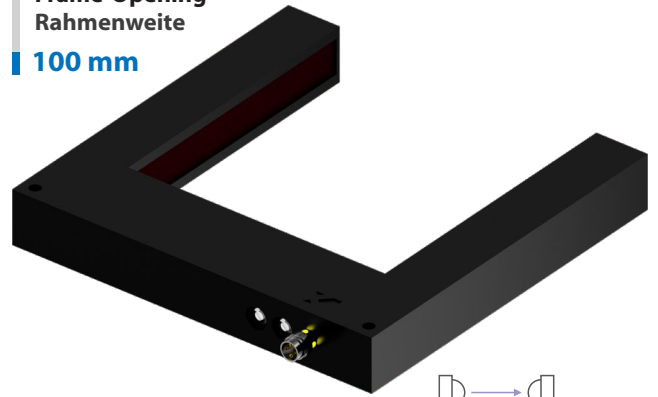


Measuring

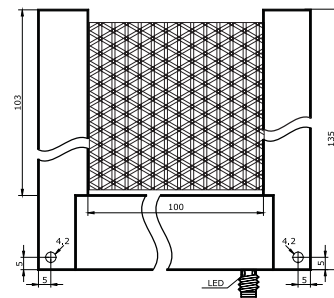
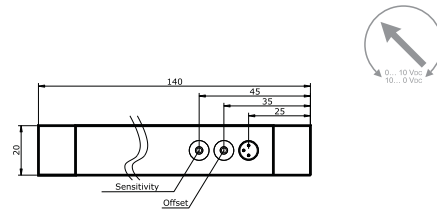


Frame-Opening
Rahmenweite

100 mm



Measuring



OPF 70

- 70 mm
- 24 VDC, 3-wire
- 10 mA, short-circuit-proof
- 1 KHz
- 10...+60 °C
- IP 67
- 0...11 VDC, Ramp adjustable
- Aluminium
- M8
- built-in integriert
- 10.000 lux

OPF 100

- 100 mm
- 24 VDC, 3-wire
- 10 mA, short-circuit-proof
- 1 KHz
- 10...+60 °C
- IP 67
- 0...11 VDC, Ramp adjustable
- Aluminium
- M8
- built-in integriert
- 10.000 lux

OPF70-AV010-A8

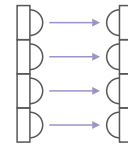
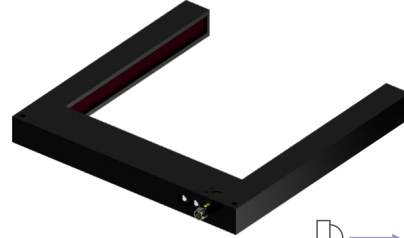
OPF100-AV010-A8

OPFA

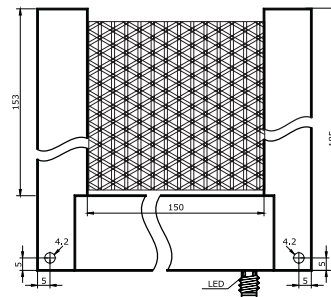
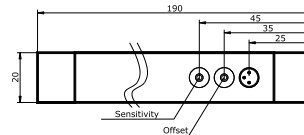
Analog-Output

**Frame-Opening
Rahmenweite**






150 mm



Measuring



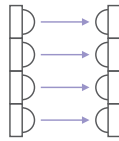
Housing	Bauform	OPF 150
Frame Opening	Rahmenweite	150 mm
Operating Voltage	Betriebsspannung	24 VDC, 3-wire
Current Load Capability	Ausgangsbelastbarkeit	10 mA, short-circuit-proof
Switching Frequency	Schaltfrequenz	1 KHz
Operating Temperature	Betriebstemperatur	-10...+60 °C
Protection Class	Schutzklasse	IP 67
Adjustment	Einstellung	0...11 VDC, Ramp adjustable
Housing	Gehäuse	Aluminium
Connection	Anschluss	M8
Switching Indicator	Schaltanzeige	built-in integriert
Ambient Light Immunity	Umgebungslicht/Schutz	10.000 lux

PNP, NO - 10... 30 VDC 
 PNP, NC - 10... 30 VDC 
 NPN, NO - 10... 30 VDC 
 NPN, NC - 10... 30 VDC 
 PNP, Analog Voltage (0...10 VDC) 

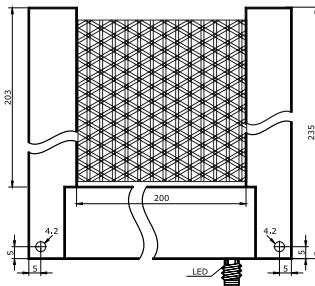
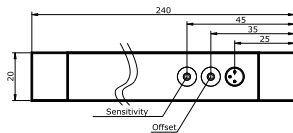
OPF150-AV010-A8

Frame-Opening
Rahmenweite

200 mm

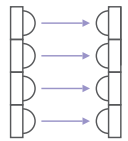


Measuring

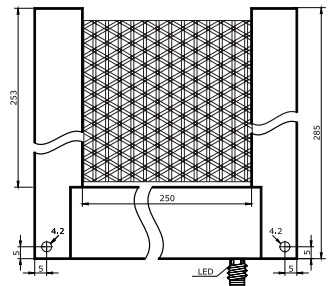
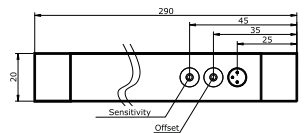


Frame-Opening
Rahmenweite

250 mm



Measuring



OPF 200

200 mm
24 VDC, 3-wire
10 mA, short-circuit-proof
1 KHz
-10...+60 °C
IP 67
0...11 VDC, Ramp adjustable
Aluminium
M8
built-in integriert
10.000 lux

OPF 250

250 mm
24 VDC, 3-wire
10 mA, short-circuit-proof
1 KHz
-10...+60 °C
IP 67
0...11 VDC, Ramp adjustable
Aluminium
M8
built-in integriert
10.000 lux

OPF200-AV010-A8

OPF250-AV010-A8