OAS 100 P1S T3

Optical Frame Sensors

Optical Frame Sensors



Product Data	
Function	Frame Sensor
Operation Mode	Frame Sensors
Supply Voltage	24 V dc
Control Feature	Sensitivity pot. and pulse time pot.
Output	PNP
Output Status	N.C.
Light Source	Infrared (880 nm)
Fork Opening Width	100 mm
Fork Opening Depth	94 mm

Technical Data	
Supply Voltage	24 V dc
Voltage Tolerance	+/- 20 %
Reverse Polarity Protected	Yes
Short Circuit Protected	Yes
Current Consumption	Max. 70 mA
Max. Output Load	200 mA
Response Time ton / toff	0,1 ms / 0,1 ms
Output Indicator	Yellow LED
Hysteresis	< 0,2 mm
Light Source	Infrared (880 nm)
Resolution	2,0 mm
Operation Frequency	5000 Hz
Housing Material, Front Lens	PMMA
Housing Material, Fork Housing	Aluminium (black anodised)

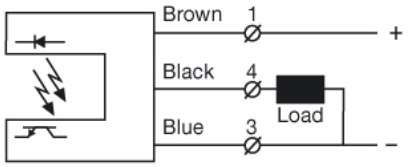
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Environmental Data	
Vibration	10 - 55 Hz, 0,5 mm
Shock	10 g
Operation Temperature	– 20 to +60 °C
Storage Temperature	– 40 to +80 °C
Sealing Class	IP 67
Light Immunity 15°	> 50 000 lux

Approvals

CE UK CA

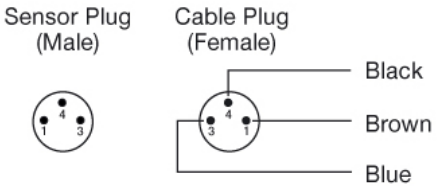
Wiring Diagram



PxS

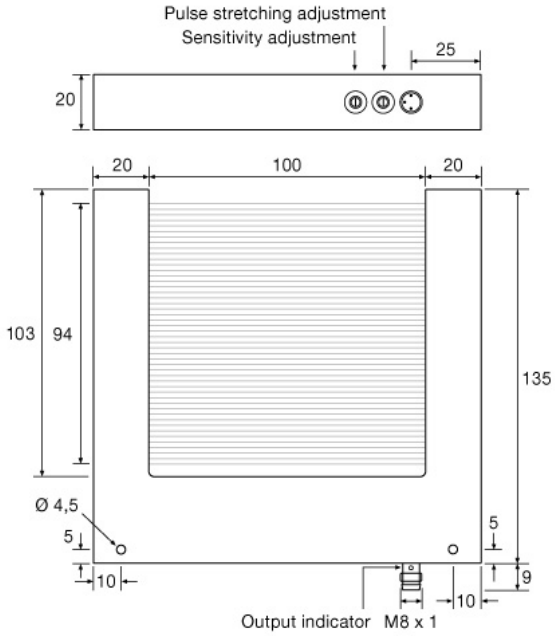
Connections

3 pin, M8



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Dimensions



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