dimensions **11 x 43.5 x 20mm**

sensing range   adjustable   **up to 150mm**

✓ **plastic housing**
✓ **high switching frequency**
✓ **short-circuit and reverse polarity protected**
✓ **LED-display**
✓ **M8-plug connection, 4-pin**

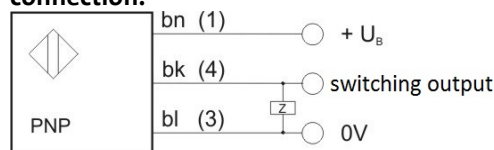## sensing range up to 150mm
laser protection class 1

Technical Data	PT98E110
operating voltage	10 ... 30V DC
residual ripple	< 10%
voltage drop	< 1.5V
output current (max. load)	100mA
current consumption (w/o load)	max. 35mA
response time	250µs
sensing range	0 ... 150mm
transmitting element	laser diode, red light
output	pnp
output function	NO / NC switchable
adjusting screw	adjusting screw, 6 turns
switching frequency	2kHz
functional reserve	LED green
switching state display	LED yellow
protection class (EN 60529)	IP 67
temperature (operating)	-25 ... +55°C
temperature (storage)	-25 ... +70°C
insulation stability	500V AC, 1min between electronics and housing
insulation resistance	>20MΩ, 500V DC between electronics and housing
vibration resistance	0.5mm amplitude, 10...55Hz frequency in each axis (EN60088-2-6)
shock resistance	11ms (30G), 6 shocks for each axis (EN60068-2-27)
max. tightening torque	0.5Nm
connection	M8-connector, 4-pin
material (housing)	PBT (LED-cover PC)
material (front screen)	PMMA
connection accessories	e.g. **VK200375**
mounting accessories	**AY000118**

connection:

bn (1)   + U$_B$

bk (4)   switching output

bl (3)   0V

PNP

bn=brown, bk=black, bl=blue
terminal marking of cable socket in brackets

article-no.:   **PT98E110**

Warning: Never use these articles in applications where the safety of a person depends on their functionality.

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