

OI810140**TEMPERATURE SENSORS • CONTACTLESS MEASUREMENT (INFRARED)****MECHANICAL DATA**

Ambient temperature (MAX)	75 °C
Ambient temperature (MIN)	-20 °C
Degree of protection (IP)	IP67
Housing design	Cylinder plain
Housing material	Stainless steel 1.4571
Measurement of material humidity	No
Sensor diameter	60 mm

ELECTRICAL DATA

Display	None
Hysteresis	5 %
Infrared measurement	Yes
Interface	No
Max. output current	400 mA
Measured value memory	No
Measurement of differential temperature	No
Measurement of rel. air humidity	No
Measuring range (MAX)	300 °C
Measuring range (MIN)	0 °C
Multiple display	No
No-load current	15 mA
Number of pins	5
Operating voltage (MAX)	55 V
Operating voltage (MIN)	10 V
Separate sensor	No
Short-circuit-proof	Yes
Switching frequency	10 Hz
Thermocouple RTD	No
Type B thermocouple	No
Type E thermocouple	No
Type J thermocouple	No

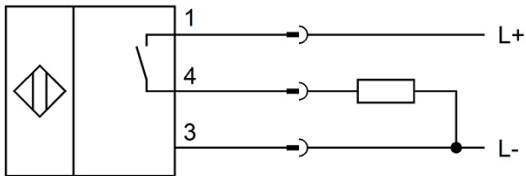
ELECTRICAL DATA

Type K thermocouple	No
Type N thermocouple	No
Type of electrical connection	Plug-in connection
Type of switching function	Normally open contact (NO)
Type of switching output	PNP
Type R thermocouple	No
Type S thermocouple	No
Type T thermocouple	No
Voltage type	DC
With LED display	Yes

OPTICAL DATA

Angle of beam spread	2 °
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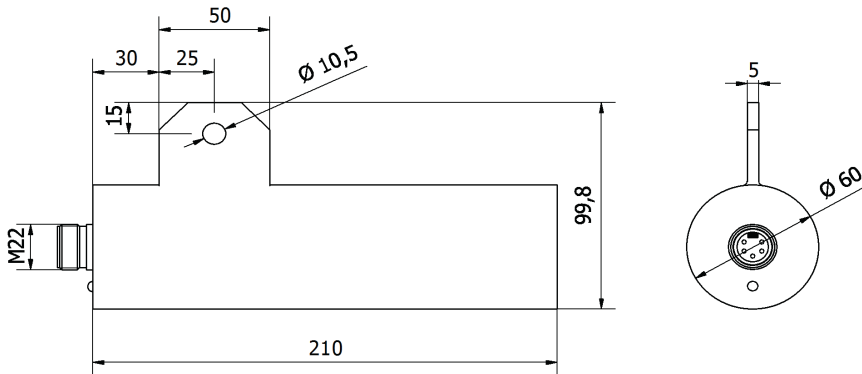
CONNECTION



Colors: 1 = BN (brown), 3 = BU (blue), 4 = BK (black)

Functions: 1 = L+, 3 = L-, 4 = PNP NO

DIMENSIONAL DRAWING



INSTALLATION



Mounting / Installation may only be carried out by a qualified electrician!

DISPOSAL



SAFETY WARNINGS

Before initial operation, please make sure to follow all safety instructions that may be provided in the product information!

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