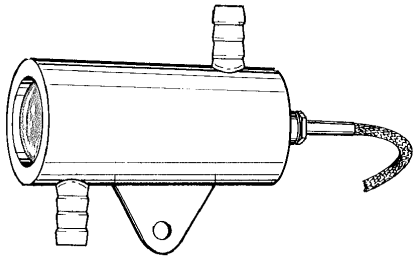
Proxitron
Sensoren für Automation

Piros Infrared Sensor
OKB 204.31 GK

Infrared Sensors recognise the natural radiation of warm objects over a great distance. They are applied when other proximity switches cannot operate properly because of high radiation or ambient temperatures.

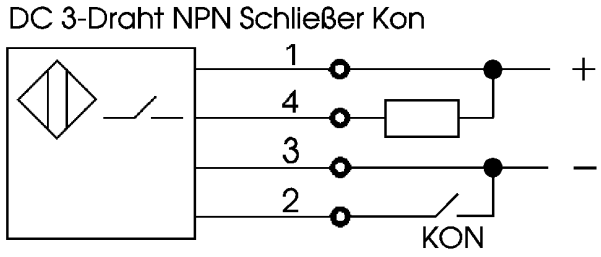


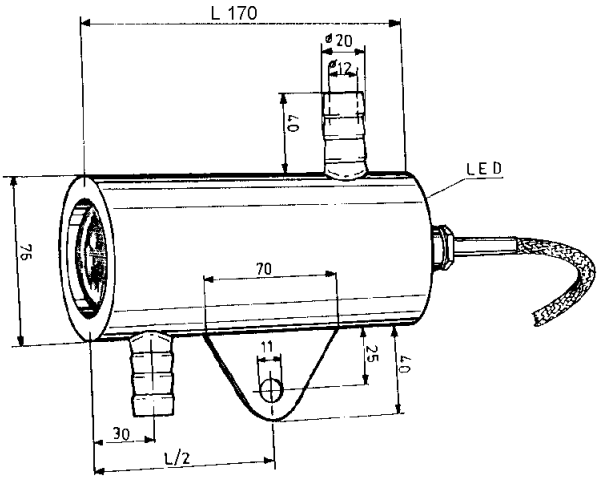
Technical Data

Type	OKB 204.31 GK
Art.-No.	6010B
Response temperature	430 °C
View angle	2°
Detected surface at 2m	∅ 70 mm
Output	NPN n.o.
Function Check	yes
Supply voltage	10 - 80 V DC
Ripple voltage	< 15 %
Load current max.	0 - 400 mA
Short-time load current	0,8 A / 100 ms 2 A / 10 ms
Short circuit protection	yes
Voltage drop	1,5 V
Operating frequency	1500 Hz
Ambient temperature	-20 to +75 °C
Protection class	IP 67
Connection	2 m POKT-Therm cable
Function display	LED
Housing material	Stainless steel cooling jacket

The function control (KON) helps for the check of the switching output. This is activated as long as the external switch KON is closed.

Diagram of Connections





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