

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. The types OSA 673 transmit the IR- radiation with fibre optic cable (LLK 2) between the optic (OAC 204) and the electronic.

Technical Data

Type	OSA 673.33 G
Art.-Nr.	6129L
Type	LLK 2
Art.-Nr.	6436F
Type	OAC 204
Art.-Nr.	6036A
Response temperature	380 °C
View angel	2 °
Distance ratio	29:1
Detected surface at 2m	Ø 70 mm
Output	PNP n. o.
Supply voltage	10 - 80 V DC
Ripple voltage	max. 15 %
Load current max.	0 - 400 mA
Short-time load current	2 A / 10 ms 0,8 A / 100 ms
Short circuit protection	yes, pulsing
No load current	3 mA
Voltage drop	2 V
Operating frequency	1500 Hz
Switching hysteresis	3 - 10 %
Ambient temperature	OSA -20 to +70 °C LLK + OAC -20 to +290 °C
Protection class	IP 67
Connection	2 m POKT-Therm cable with G 3/4" flexible tube connection
Function display	LED
Housing material	Stainless steel

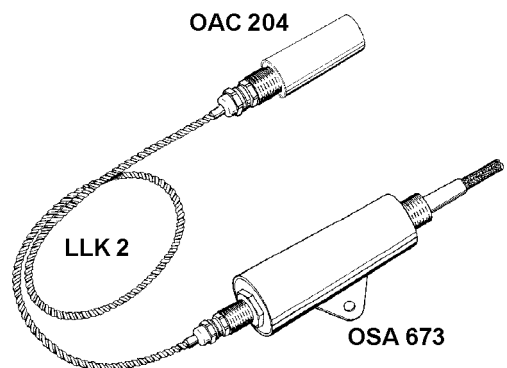
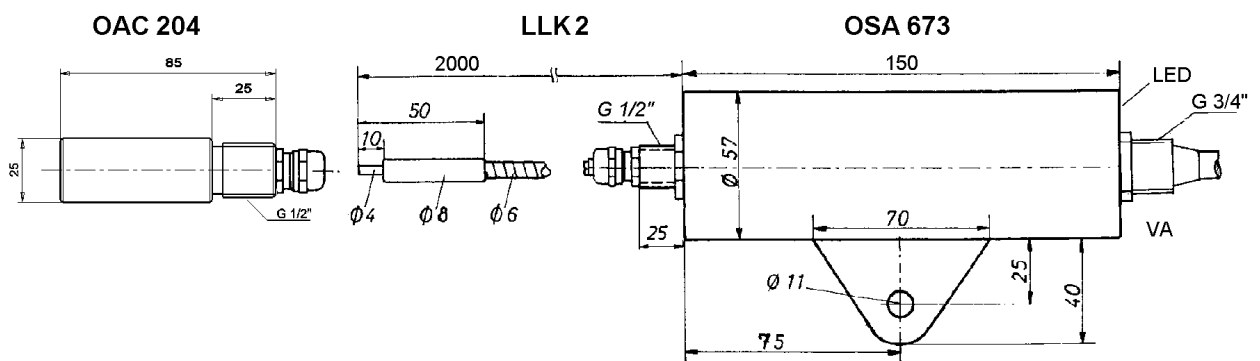
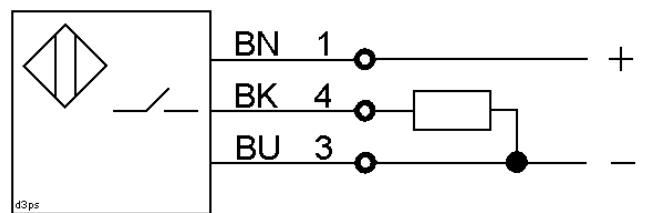


Diagram of Connections



Infrared Sensors recognize 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. The types OSA 674 transmit the IR radiation with fibre optic cable (LLK 2) between the optic (OAA 703) and the electronic (OSA 674).

Technical Data

Type	OSA 674.05 G
Art.-No.	6430L
Type	LLK 2
Art.-No.	6436F
Type	OAA 703
Art.-No.	6048A
Response temperature	450 °C
View angel	7 °
Distance ratio	8:1
Detected surface at 2m	Ø 250 mm
Output	normally open
Supply voltage	20 – 260 V AC/DC
Power frequency	40 – 440 Hz
Load current max.	5 - 400 mA
Short-time load current	2 A / 10 ms 0,8 A / 100 ms
Short circuit protection	yes
Residual current	1,7 mA
Voltage drop	9 V
Operating frequency (DC)	1500 Hz
Switching hysteresis	3 - 10 %
Ambient temperature	OSA -20 to +75 °C LLK + OAA -20 to +150 °C
Protection class	IP 67
Connection	2 m POKT-Therm cable with G 3/4" flexible tube connection
Function display	LED
Housing material	Stainless steel

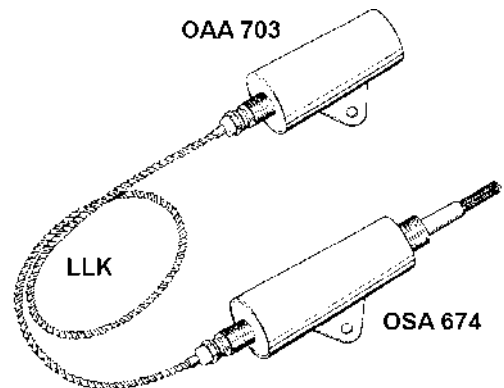
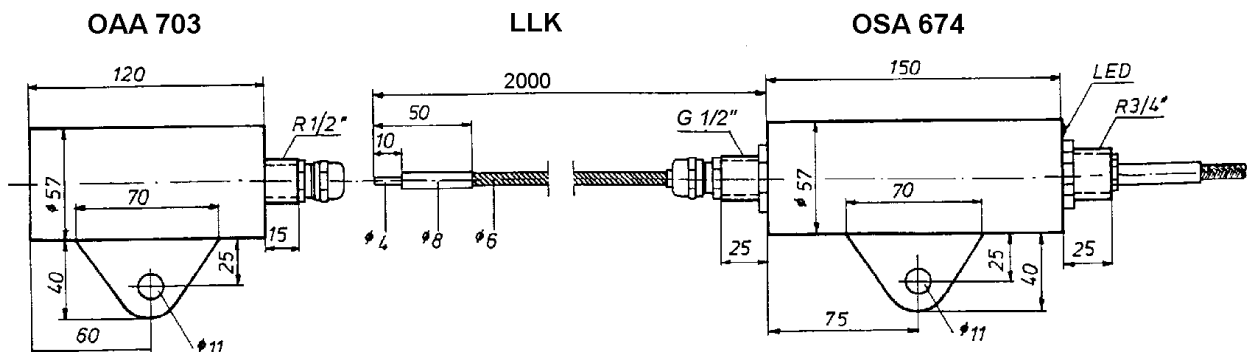
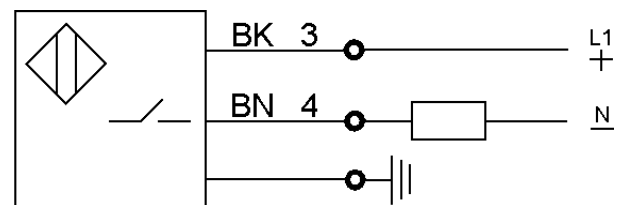


Diagram of Connections



Infrared Sensors recognize 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. The types OSA 674 transmit the IR radiation with fibre optic cable (LLK 4) between the optic (OAA 703) and the electronic.

Technical Data

Type	OSA 674.33 G
Art.-No.	6130L
Type	LLK 4
Art.-No.	6436l
Type	OAA 703
Art.-No.	6048A
Response temperature	500 °C
View angel	7 °
Distance ratio	8:1
Detected surface at 2m	Ø 250 mm
Output	PNP-n.o.
Supply voltage	10 - 80 V DC
Ripple voltage	max. 15 %
Load current max.	0 - 400 mA
Short-time load current	2 A / 10 ms 0,8 A / 100 ms
Short circuit protection	yes
No load current	3 mA
Voltage drop	2 V
Operating frequency	1500 Hz
Switching hysteresis	3 - 10 %
Ambient temperature	OSA -20 to +75 °C LLK + OAA -20 to +150 °C
Protection class	IP 67
Connection	2 m POKT-Therm cable with G 3/4" flexible tube connection
Function display	LED
Housing material	Stainless steel

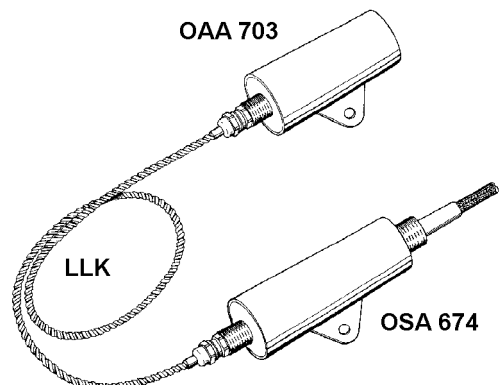
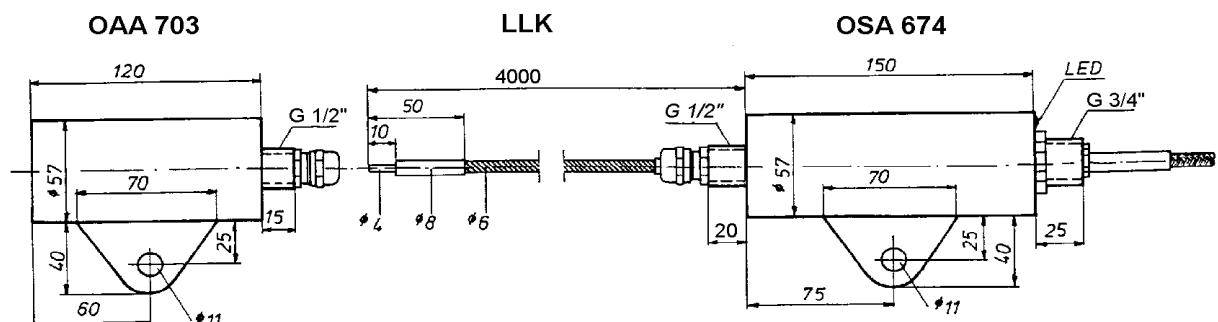
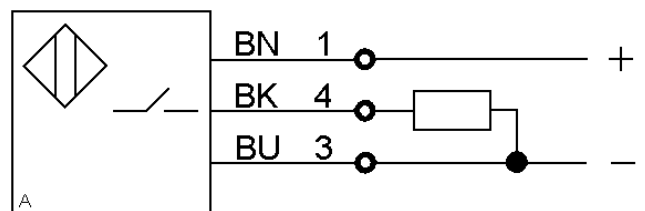


Diagram of Connections

DC 3-Draht PNP Schließer



Infrared Sensors recognize 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. The types OSA transmit the IR- radiation with fibre optic cable (LLK 4) between the optic (OAC 704) and the electronic. The response temperature is adjustable.

Technical Data

Type	OSA 6747.18 G
Art.-No.	6136A
Type	LLK 4
Art.-No.	6436I
Type	OAC 704
Art.-No.	6037A
Response temperature (adjustable)	450 - 750 °C
View angel	7 °
Distance ratio	8:1
Detected surface at 2m	Ø 250 mm
Output	PNP n. o. + n. c.
Supply voltage	24 V DC
Ripple voltage	max. 15 %
Load current max.	0 - 400 mA
Short-time load current	2 A / 10 ms 0,8 A / 100 ms
Short circuit protection	yes, pulsing
No load current	3 mA
Voltage drop	2 V
Operating frequency	1500 Hz
Switching hysteresis	3 - 10 %
Ambient temperature	OSA -20 ... +70 °C LLK + OAC -20 ... +290 °C
Protection class	IP 67
Connection	2 m POKT-Therm- cable with G 3/4" flexible tube connection
Function display	LED
Housing material	Stainless steel

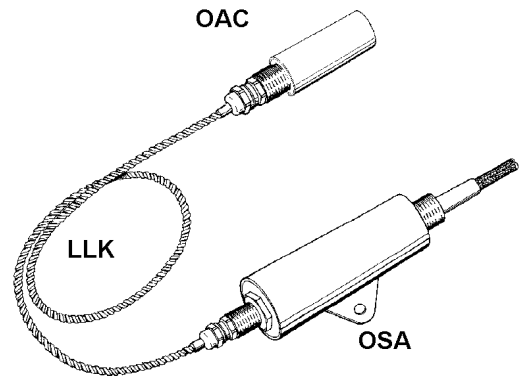


Diagram of Connections

