

80 Series

Compact photoelectric sensor series in robust plastic housing

AC/DC respectively UC supply voltages as well as PNP/NPN or relay outputs enable unproblematic application in almost any environment.

4 through-borings enable a large number of installation possibilities even in mechanically difficult environment.



Type	Functions	Operating range/ Scanning range	Operating voltage	Output	Connection
RK 80/7	Retro-reflective photoelectric sensor	3m	20 ... 250VUC	Relay	Cable
RK 80/2	Retro-reflective photoelectric sensor	3m	11 ... 30VDC	NPN	Cable
RK 80/4	Retro-reflective photoelectric sensor	3m	11 ... 30VDC	PNP	Cable
RK 80/2GD	Retro-reflective photoelectric sensor	2m	24V ±10%	NPN	Cable
RK 80/2-200	Energetic scanner	200mm	11 ... 30VDC	NPN	Cable
RK 80/4-200	Energetic scanner	200mm	11 ... 30VDC	PNP	Cable
LS 80/7	Throughbeam photoelectric sensor	8m	230VAC	Relay	Cable

Accessories: Alignment angle BT 80 for universal fastening and exact alignment of the sensors.

Optical tool breakage control

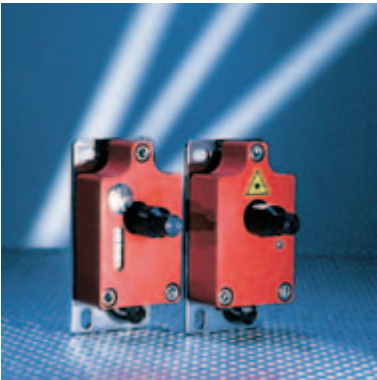
Compact laser throughbeam photoelectric sensor for reliable detection of the smallest drillers, from e.g. >0.8mm.

The conception of the sensor enables the static and dynamic control at a desired point up to 8m distance between transmitter and receiver.

Visible light spot, receiver-side multi display (signal size) and integrated alignment / mounting system enable time saving, optimal adjustment of transmitter and receiver.

Warning output for contamination message.

Connection for pressurised air to keep the optical surfaces constantly clean, even under especially rough environmental conditions.



Designation	Operating range	Operating voltage	Output	Connection
BKL 706	8m ¹⁾	10 ... 30VDC	Static PNP Dynamic NPN ²⁾	Cable PUR or PVC

¹⁾ Longer operating ranges possible without diaphragms

²⁾ Pulse length on request

Diffuse reflection light scanner with background suppression

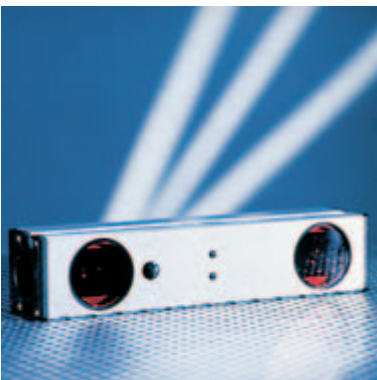
FRK 61, FRK 173

Robust construction with metal housing for most demanding requirements.

Reliable detection of almost every object with background suppression.

Two separately adjustable scanning ranges at the DFRK 61 allow for two separate switching points.

Voltage free switching output (relay/change-over), slow operation/slow release at the FRK 173 for optimal adjustment to the application.



Designation	Scanning range	Operating voltage	Output	Connection
DFRK 61	1/2m Two independent scanning ranges	DC	PNP	Plug
FRK 61	2m	DC	PNP	Plug
FRK 173/R-2000 DL	2m	11 ... 30VDC 11 ... 24VAC	Relay	M12