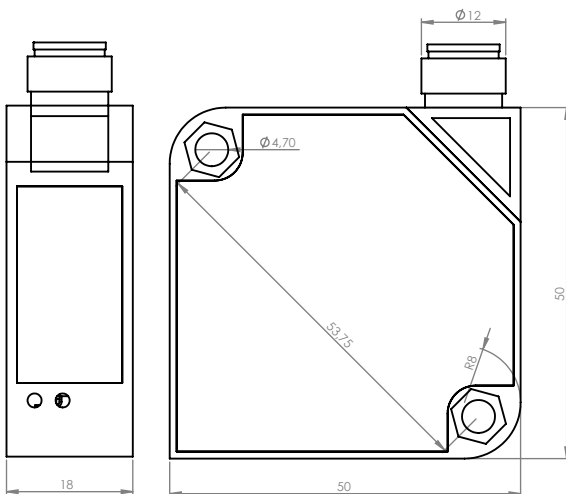


## FNC Diffuse Sensor

196



### Mechanical Dimensions



### Part Number

**FNC DS 20 D 200 R 1**

- Housing:**  
20 : 20mm
- Sensor Type:**  
D Dif  
R Reflective Sensor  
T
- Sensing Distance :** 80, 100, 200, 500 cm  
Other dimensions on request
- Output Types :**  
R : Relay  
N : NPN output  
P : output
- Electrical Connections:**  
**Cable**  
1 : PVC 5 x 0.25 Cable  
**Connector:**  
2 : M12 5 pin male connector

### Features

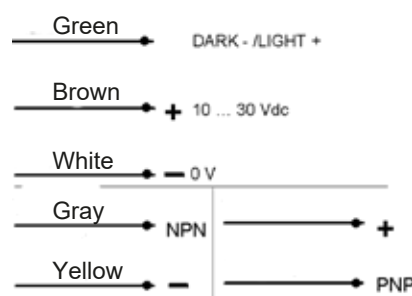
- The operating distance can be set to the optimal value
- Configurable dark or light mode
- PNP/NPN open collector or relay output
- Compact design

### Technical data - mechanical design

Voltage Supply	10VDC to 30VDC (dc vers.) 30VAC to 260VAC (ac vers.)
Consumption w/o load	≤30 mA VDC (dc vers.) ≤40 mA VAC (ac vers.)
Light emission	infrared LED 940 nm
Diffuse proximity operating distance	5 - 200 cm
Settings	Red LED (output LED)
Output type	relay 250V / 3A (ac vers.) PNP / NPN open Collector
Response time	30 ms max.
Operating mode	darklight configurable
Connection	Cable length : 2m 5 x 0,22
Dimensions	50 x 50 x 18 mm
Protection DIN EN 60529	IP65
Materials	Housing : ABS Lens : PMMA plastics
Operating temperature	-25...+65 °C
Storage temperature	-25 °C up to +70 °C
Weight approx.	160 g with cable

### Cable Wiring

#### DC Version



#### AC Version

