CABLE LENGTH

**CABLE SECTION** 

HOUSING MATERIAL



# PHOTOELECTRIC SENSORS

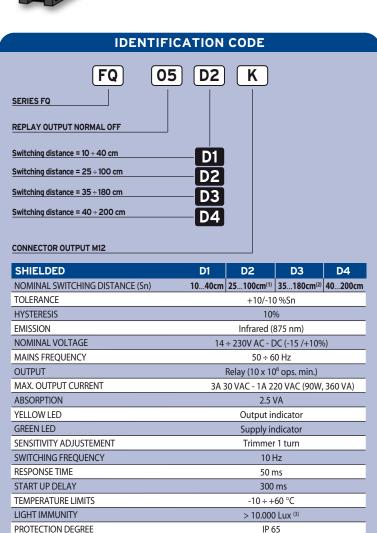
## **DIFFUSE REFLECTIVE** 14÷230 V AC/DC - REPLAY OUTPUT

- Square housing
- · Wide input voltage
- 3A relay SPDT
- Cable or M12 quick connect models
- Output and Supply indicators



**FQ** Series





 $^{(1)}$  Determined with a white mat paper (cm 10 x 10).

WEIGHT - cable output - (connector output)

- $^{(2)}$  Determined with a white mat paper (cm 20 x 20).
- (3) Determined with halogen tungsten lamp 3000 °K.

Note: for a proper use see norms at pages 18, 19, 20, 21 and 22.

## **DIMENSIONS (mm)** Mounting bracket (supplied accessory) Configuration with cable Configuration with connector K 0 0 Rotating connector

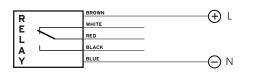
2 m

5 x 0.30 mm<sup>2</sup>

- 180 g - (125 g)

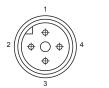
Housing: ABS - Lenses: methacrylate

### **WIRING DIAGRAMS**



Note: in case of inductive loads it is necessary to connect one diode in antiparallel at the edges of the load.

### CONNECTION WITH CONNECTOR M12 (K)



View of quadripole male connector.

#### CONTACTS CONFIGURATION

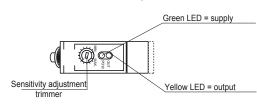
Output	Contacts numbers			
	1	2	3	4
Relay	L	СОМ	N	NO
Wire colors	brown	white	blue	black

Note: Photoelectric sensor not suitable for use with 90° connectors.

### SENSITIVITY ADJUSTMENT

- 1) SENSITIVITY INCREASE Screw the trimmer towards right towards position "+"
- 2) SENSITIVITY DECREASE

Screw the trimmer towards left towards position "-"



Note: the trimmer just needs one turn.

## **CHARACTERISTIC CURVES**

