

FL series

"T-style" housing photoelectric sensors with M18 optical head for car washes



features

- Sensors for car washes
- IP protection degree: head IP69K (sensor IP67)
- Wide angular range for an easy allignment
- · Totally fullfilled resin
- Two versions: high and standard distance
- Syncronization through cable
- Coded emission: anti mutual-interference



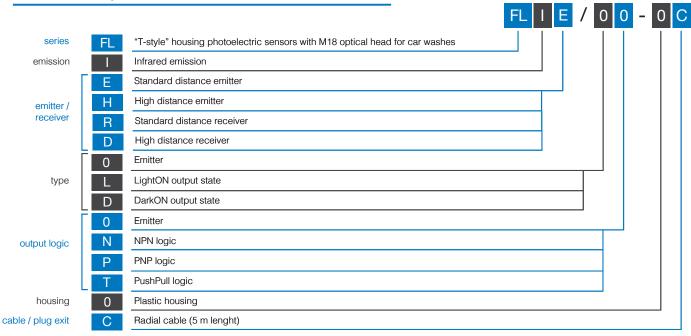
web contents



- Application notes
- Photos
- Catalogue / Manuals



code description



available models

range	output	emitter	receiver						
			NPN D _{on}	NPN L _{on}	PNP D _{on}	PNP L _{on}	Pushpull D _{on}	Pushpull L _{on}	
8 m	cable	FLIE/00-0C	FLIR/DN-0C	FLIR/LN-0C	FLIR/DP-0C	FLIR/LP-0C	FLIR/DT-0C	FLIR/LT-0C	
30 m	cable	FLIH/00-0C	FLID/DN-0C	FLID/LN-0C	FLID/DP-0C	FLID/LP-0C	FLID/DT-0C	FLID/LT-0C	

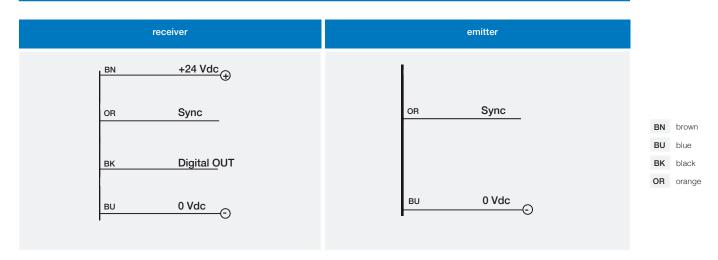
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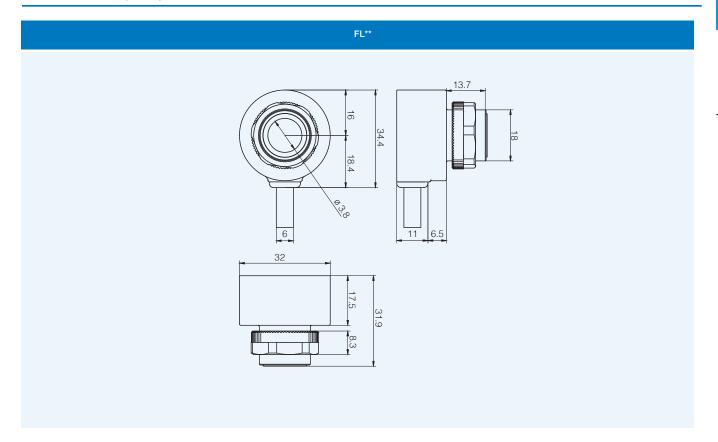
Web site: https://incoll.ru Email: incoll@incoll.ru



	Standard	distance	High distance					
	FLIE	FLIR	FLIH	FLID				
nominal sensing distance (m)	8 (3 m for car washes)		30 (3 m for car washes)					
operating distance	24 Vdc +/- 20%							
response time	-	<10 ms	-	<12 ms				
histeresys	-	+/- 1%	-	+/- 1%				
output type	-	NPN or PNP or Push Pull/Lon or Don	-	NPN or PNP or Push Pull/Lon or Don				
digital resolution	-	12 bit	-	12 bit				
emission	Infrared (850 nm)	-	Infrared (850 nm)	-				
no load supply current	< 60 mA							
load current	-	< 30 mA	-	< 30 mA				
operative temperature range	-2070°C (without freeze)							
storage temperature range	-3090°C (without freeze)							
protection degree	IP67 (front-head IP69K)							
EMC	in coformity with the EMC Directive according to EN 60947-5-2							
housing material	PBT + PC							
optic material	PC							
Leds	Green: RUN; Red: problem with output, Yellow: output							
electrical protections	polarity reversal transient							
output protection	short circuit protection							
connections	cable PVC diam. 6.2 mm							
tightening torque	1 Nm							
weight	570 g (the pair)							

electrical diagram of the connections





response diagram

response diagram

standard distance

high distance

