

Italian Sensors Technology



FinMasi Group Company





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Micro Detectors



PRODUCT HIGHLIGHTS



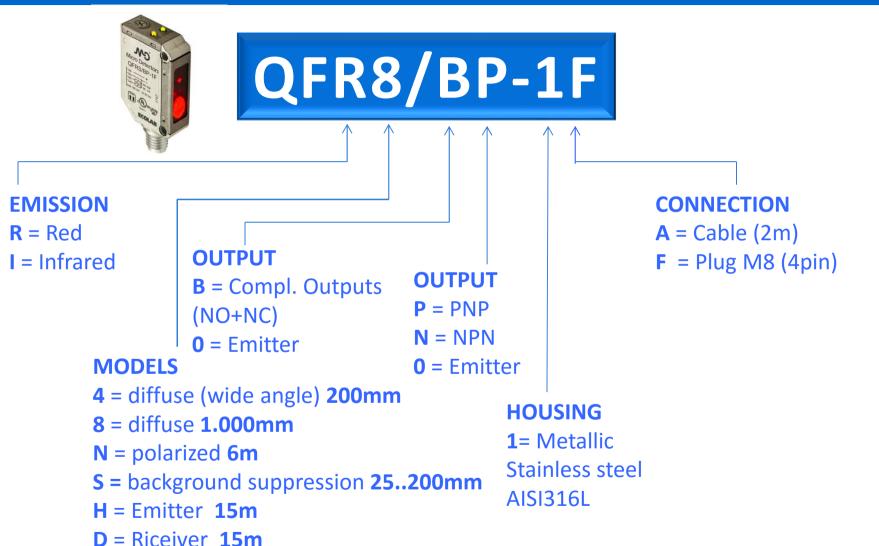
21 x 11 x 31,4mm cubic dimension
High power RED LED or Infrared emission
stainless steel AISI316L metallic housing
PPSU lenses material
Switching frequency 500Hz
Cable or M8 connectors
Complementary outputs (NO +NC)
IP68 IP69K protection degree
-25°...+60°C operating temperature range

Diffused 200, 1.000 mm BGS 25...200mm RRX polarized 6m Through beam 15m



Cubic Miniaturized Photo Sensor MJ Micro Detectors Italian Sensors Technology DIFFUSED → 200mm 1.000mm **BACKGROUND SUPPRESSION** 25..200mm **POLARIZED 6m THROUGH BEAM 15m** 10/09/2018 Strictly confidential – All rights reserved to M.D. Micro Detectors S.p.A 3

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* = the products with pig-tail are not cULus at the moment



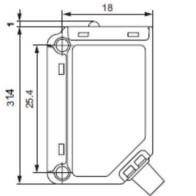
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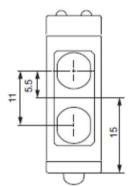
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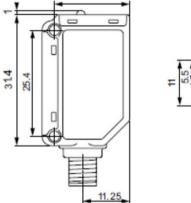


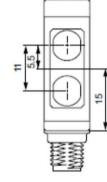
CABLE VERSION

M8 CONNECTOR VERSION

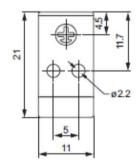


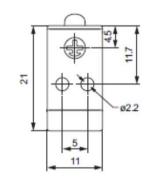






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MODELS AVAILABLE

model	distance	emission	adjustment	housing	cable		plug M8	
					NPN (NO+NC)	PNP (NO+NC)	NPN (NO+NC)	PNP (NO+NC)
diffuse reflection	200 mm	infrared	•	metallic	QFI4/BN-1A	QFI4/BP-1A	QFI4/BN-1F	QFI4/BP-1F
	1000 mm	red			QFR8/BN-1A	QFR8/BP-1A	QFR8/BN-1F	QFR8/BP-1F
background suppression	200 mm				QFRS/BN-1A	QFRS/BP-1A	QFRS/BN-1F	QFRS/BP-1F
polarized	6 m				QFRN/BN-1A	QFRN/BP-1A	QFRN/BN-1F	QFRN/BP-1F
emetter	15 m	infrared	-		QFIH/00-1A	-	QFIH/00-1F	-
riceiver	15 m		•		QFID/BN-1A	QFID/BP-1A	QFID/BN-1F	QFID/BP-1F

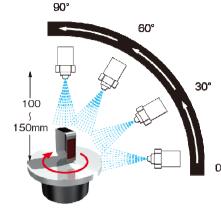


WIDE BEAM, to detect : SHINNY objects, TRANSPARENT objects, Objects WITH HOLES









IP69K test

5%

1%

5%

4%

5%

1%

Pressure 80-100bar Flow rate : 14- 16 litres/min Temperature : 80 °C/-5 °C Nozzle anales : 0° - 30° - 60° Test periods : 30 sec for each angle

ECILAB

ECOLAB test

Topax 56 P3 Hypochloron TOPAZ CL1 TOPAZ AC1 TOPAZ MD3 P3 topactive OKTO 240h@50℃ 240h@24℃ 240h@50℃ 240h@40°C 240h@50℃ 240h@24℃

E CU us LISTER ECOLAB

cro Detectors QFRS/BP-1F

IP68 test

WATER Depth: 1m Time : 7 days Temperature: 23 °C



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COMPETITORS BANNER **QM28 QMH 28** IFM **O6 WetLine** SICK BAUMER G6 inox 0300 Hygienic Design BgS: 200mm Diffuse: 500mm Polarized: 3m Diffuse: 300 and 900mm Background suppression: 200mm Polarized coax. 2,5m Diffuse : 300mm BgS: 250mm Polarized: 5m Throu-beam: 8.5m Diffuse for transp..: 300mm Polarized: 6m Throu-beam : 10m BgS: 200mm Throu-beam : 15m Cable/plug M8 Polarized : 6m Cable/Plug M8 PNP/NPN Cable/Plug M8 NPN/PNP Cable/plug M12 NPN/PNP Push-pull



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Cubic Miniaturized Photo Sensor MJ Micro Detectors Italian Sensors Technology **Switching Compl. Outputs** frequency up 1kHz NO+NC M3 THREAD HOLES LASER MARKING **ECOLAB** IP68-IP69K **Approval Protection degree cULus Approval** LISTED



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