IPF ELECTRONIC

Data sheet FM910122 • Subject to alteration! Version: 08.06.2020

FM910122
FILLING LEVEL SENSORS • GUIDED MICROWAVE

sensor filling level, Microwave, 3/4 inch 448long, G3/4 inch, 16-30V DC, 85°C, PNP NO, Connector M12 3pin, IP67, V4A, probe Ø16mm 400long, Manual adjustment

MECHANICAL FEATURES

Ambient temperature	-20 °C … 85 °C
Degree of protection (IP)	IP67
Design	Special construction
Housing material	Stainless steel 1.4571
Increased ambient temperatures > 80°C	+
Medium temperature	-20 °C … 85 °C
Pressure resistance	16 bar
Probe diameter	16 mm
Probe length	400 mm
Sensing element material	Stainless steel 1.4571
Sensor diameter	50 mm
Sensor length	448 mm
Thread length	20 mm
Thread size, inches	3/4 inch
Type of process connection	G3/4 inch

ELECTRICAL FEATURES

No-load current	50 mA
Number of contacts as normally open contact	1
Number of pins	3
Physical measurement principle	Microwave
Rated control supply voltage Us at DC	16 V … 30 V
Rated switching current	200 mA
Response sensitivity, adjustable	+
Reverse polarity protection	+
Setting procedure	Manual adjustment
Short-circuit protection	+
Switching frequency	5 Hz
Type of electrical connection	Connector M12
Type of switching function	Normally open contact
Type of switching output	PNP
Voltage drop	2 V
Voltage type for actuation	DC

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ELECTRICAL FEATURES

With LED display	+

Other

Packaging dimensions	100mm x 80mm x 480mm
Shipping weight	1.09kg
Tariff code	85365019

Classification

ipf product group	350
eClass 8.0	27371813
eClass 9.0	27371813
eClass 9.1	27371813
ETIM-5.0	EC001447
ETIM-6.0	EC001447
ETIM-7.0	EC001447

Connection


```
1   brown   L+              L+
    L+

2   white   n.c.
    n.c.

4   black   PNP NO
    PNP NO

3   blue    L-              L-
    L-
```
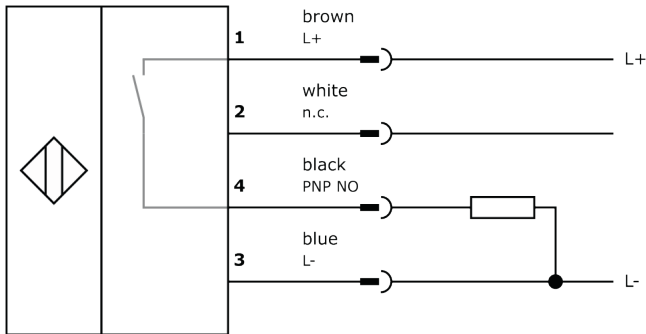
Dimensional drawing

Installation

Mounting / installation may only be carried out by a qualified electrician!

Disposal

Software
Any software, drivers or IODD files that may be required to operate your device can be downloaded free of charge from our homepage: www.ipf-electronic.com

Safety warnings

Before initial operation, please make sure to follow all safety instructions that may be provided in the product information.
Never use these devices in applications where the safety of a person depends on their functionality.
LED lighting systems can generate intensive UV radiation, which can damage your eyes in case of improper use. The manufacturer cannot be held responsible for damages that result from improper use or connection.