

FK90E017

FILLING LEVEL SENSORS • CAPACITIVE

sensor filling level, Capacitive, 1/2 inch 125long, G1/2 inch, 12-35V DC, PNP Anticoincidence, Connector M12 4pin, Stainless steel 1.4305+PEEK, IP67, probe Ø18mm 32.5long, Manual adjustment



MECHANICAL FEATURES

Ambient temperature	-10 °C ... 70 °C
Degree of protection (IP)	IP67
Housing design	Cylinder, screw-thread
Housing material	Stainless steel 1.4305
Medium temperature (MAX)	100 °C
Pressure resistance	10 bar
Probe diameter	18 mm
Probe length	32.5 mm
Sensing element material	PEEK
Sensor diameter	40 mm
Sensor length	125 mm
Thread length	13.3 mm
Thread size, inches	1/2 inch
Type of process connection	G1/2 inch

ELECTRICAL FEATURES

No-load current	20 mA
Number of contacts as normally closed contact	1
Number of contacts as normally open contact	1
Number of pins	4
Physical measurement principle	Capacitive
Rated control supply voltage U_s at DC	12.5 V ... 35 V
Rated switching current	250 mA
Response sensitivity, adjustable	+
Reverse polarity protection	+
Setting procedure	Manual adjustment
Short-circuit protection	+
Switching frequency	1 Hz
Type of electrical connection	Connector M12
Type of switching function	Anticoincidence
Type of switching output	PNP
Voltage drop	2 V
Voltage type for actuation	DC

ELECTRICAL FEATURES

With LED display

+

Other

Packaging dimensions	99.0mm x 60mm x 160mm
Shipping weight	0.36kg
Tariff code	85365019

Classification

ipf product group	700
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

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.