

## Datasheet - IFL 2-250-01P-1716

Inductive proximity switch / Housing construction form: Block / IFL 250




- Design 250
- Thermoplastic enclosure
- DC 3-wire
- Double-insulated
- cable output lateral

(Minor differences between the printed image and the original product may exist!)

### Ordering details

Product type description	IFL 2-250-01P-1716
Article number	IFL 2-250-01P-1716
EAN Code	
eCl@ss	27-27-01-01

### Global Properties

Permanent light	IFL - 250
Standards	IEC/EN 60947-5-2; DIN VDE 0660-208
Compliance with the Directives (Y/N) 	Yes
Operating resource protection class	Protection class 2
Materials	
- Material of the housings	Plastic
- Material of the cable mantle	PVC
Housing coating	None
Housing construction form	Block

### Mechanical data

Design of electrical connection	Cable
Cable length	2
Conductor with strain relief	No
Conductors	3 x 0,34
mechanical installation conditions	flush
Switch distance $S_n$	2 mm
Reduction factor 1 met (Y/N)	No
Protection circuit	inductive interference protection, Protection against polarity reversal, short-circuit and overload proof
Pressure resistant (Y/N)	No

## Ambient conditions

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Ambient temperature	
- Min. environmental temperature	-25
- Max. environmental temperature	+70
Protection class	IP67 to IEC/EN 60529

## Electrical data

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Design of control element	Opener (NC)
Number of wire	3
Voltage type	DC, direct current
Supply voltage $U_B$	
- Min. supply voltage	10
- Max. supply voltage	30
Switch frequency	approx. 1000 HZ
Voltage drop $U_d$	approx. 1.2 V (200 mA)
Operating current $I_e$	200 mA
No-load current $I_o$	approx. 3 mA (24 V)

## Outputs

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Design of control output	PNP
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## LED switching conditions display

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LED switching conditions display (Y/N)	Yes
- yellow LED	

## ATEX

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Explosion protection categories for gases	None
Explosion protected category for dusts	None

## Dimensions

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Dimensions of the sensor	
- Length of sensor	12

## notice

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Switches can be mounted adjacent to each other without interference.  
with 2 screws M3 x 6 for rear mounting  
maximum screwing depth: 6 mm

## Ordering code

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IFL (1)-(2)-(3)(4)(5)-(6)

(1)

2 Switch distance 2 mm

4 Switch distance 4 mm

<b>(2)</b>	
<b>250</b>	Block Design, 40 x 25 x 12 mm
<b>(3)</b>	
<b>01</b>	Opener (NC)
<b>10</b>	Normally open contact (NO)
<b>10/01</b>	Normally open contact (NO) / Opener (NC) with Wiring compartment
<b>11</b>	Normally open contact (NO) / Opener (NC) antivalent
<b>(4)</b>	
<i>without</i>	Cable
<b>D</b>	DC 2-wire
<b>(5)</b>	
<b>N</b>	n-type
<b>P</b>	p-type
<b>(6)</b>	
<b>1716</b>	cable entries from sides

## Documents

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### Operating instructions (nl) 134 kB, 01.08.2018

Code: mrl\_ifl-allgemein\_nl

### Operating instructions (en) 128 kB, 31.08.2016

Code: mrl\_ifl-allgemein\_en

### Operating instructions (pl) 137 kB, 21.10.2016

Code: mrl\_ifl-allgemein\_pl

### Operating instructions (pt) 109 kB, 06.04.2017

Code: mrl\_ifl-allgemein\_pt

### Operating instructions (it) 108 kB, 21.10.2016

Code: mrl\_ifl-allgemein\_it

### Operating instructions (es) 110 kB, 21.10.2016

Code: mrl\_ifl-allgemein\_es

### Operating instructions (cn) 177 kB, 05.05.2017

Code: mrl\_ifl-allgemein\_cn

### Operating instructions (de) 131 kB, 31.08.2016

Code: mrl\_ifl-allgemein\_de

### Operating instructions (fr) 110 kB, 21.10.2016

Code: mrl\_ifl-allgemein\_fr

### Declaration of conformity (en) 91 kB, 13.04.2017

Code: konfi\_ifl\_en

### Declaration of conformity (de) 96 kB, 01.07.2016

Code: konfi\_ifl\_de

## Images

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