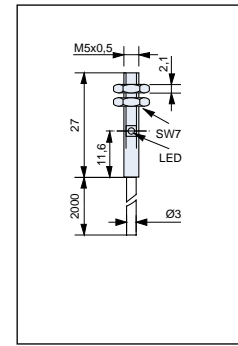
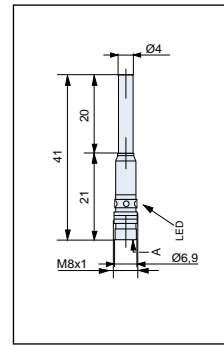
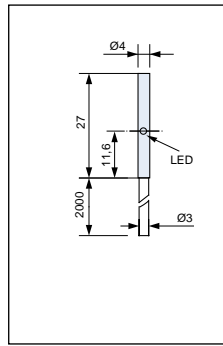
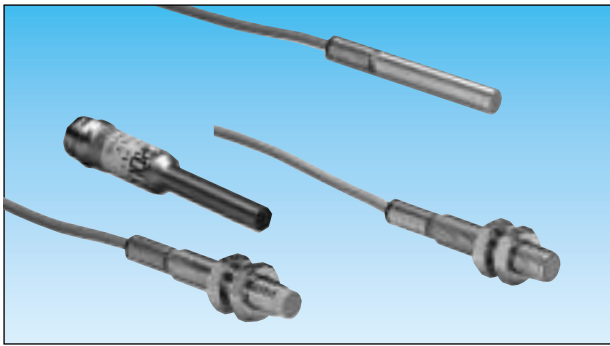


## Inductive proximity detectors - Ø 4, M5, Ø 6.5, M8 - cable / connector



<b>Form</b>	Ø 4 screened	Ø4 screened	M5 screened
<b>Nominal sensing distance Sn (mm)</b>	0,8	0,8	0,8
<b>Housing</b>	Stainless steel	Stainless steel	Stainless steel
<b>Tightening torque (Nm)</b>	—	1	2,5
<b>Termination</b>	2 m PUR cable	M8 Stainless steel	2 m PUR cable

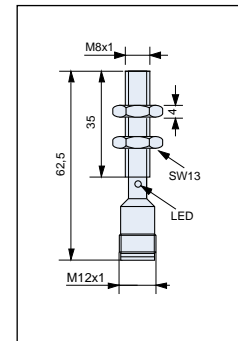
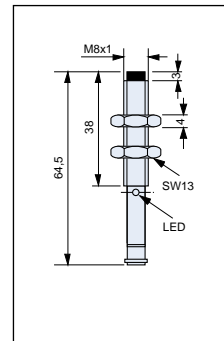
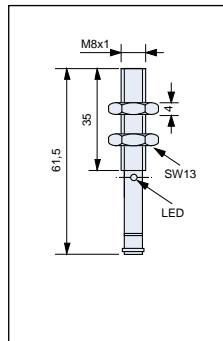
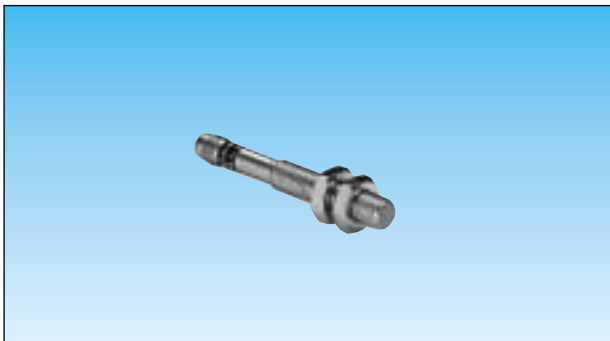
### Part numbers

#### 3-wire DC types

<b>PNP</b>	<b>NO</b>	
	<b>NC</b>	
<b>NPN</b>	<b>NO</b>	
	<b>NC</b>	

<b>Min/max. supply voltage</b>	10 to 30 V $\overline{\text{DC}}$	10 to 30 V $\overline{\text{DC}}$	10 to 30 V $\overline{\text{DC}}$
<b>Max. load current (Ia)</b>	150 mA	150 mA	150 mA
<b>Own consumption (I<sub>o</sub>)</b>	17,5 mA	≤ 2,1 mA	0,05 mA / 17,5 mA
<b>Voltage drop in closed state (U<sub>d</sub>) / Max. ripple factor (V<sub>r</sub>)</b>	2,5 V / < 10 %	≤ 1 V $\overline{\text{DC}}$ / ≤ 10 %	2,5 V / < 10 %
<b>Switching frequency / Delay on pick-up (td)</b>	1 kHz / 10 ms	1000 Hz	1 kHz / 10 ms
<b>LED indicator</b>	yes	yes	yes
<b>Protection against permanent short-circuits and overloads</b>	yes	yes	yes
<b>Protection against mis-connections of any type</b>	yes	yes	yes
<b>Conductor cross-section / External cable diameter</b>	3 x 0,14 mm <sup>2</sup> / 3 mm	—	3 x 0,14 mm <sup>2</sup> / 3 mm

## Inductive proximity detectors - M8 - connectors



<b>Form</b>	M8 screened	M8 non-screened	M8 screened
<b>Nominal sensing distance Sn (mm)</b>	1	2	1
<b>Housing</b>	Stainless steel	Stainless steel	Stainless steel
<b>Tightening torque (Nm)</b>	10	10	10
<b>Termination</b>	M8 s/steel connector	M8 s/steel connector	M12 s/steel connector

### Part numbers

#### T3-wire DC types

<b>PNP</b>	<b>NO</b>	
	<b>NC</b>	
<b>NPN</b>	<b>NO</b>	
	<b>NC</b>	

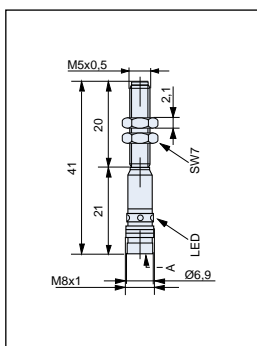
<b>Min/max. supply voltage</b>	10 to 40 V $\overline{\text{DC}}$	10 to 40 V $\overline{\text{DC}}$	10 to 40 V $\overline{\text{DC}}$
<b>Max. load current (Ia)</b>	200 mA	200 mA	200 mA
<b>Residual open-state current (I<sub>r</sub>) / Own consumption (I<sub>o</sub>)</b>	0,05 mA / 7 mA	0,05 mA / 7 mA	0,05 mA / 7 mA
<b>Voltage drop in closed state (U<sub>d</sub>) / Max. ripple factor (V<sub>r</sub>)</b>	3 V / < 10 %	3 V / < 10 %	3 V / < 10 %
<b>Switching frequency / Delay on pick-up (td)</b>	2 kHz / 50 ms	1,5 kHz / 50 ms	2 kHz / 50 ms
<b>LED indicator</b>	yes	yes	yes
<b>Protection against permanent short-circuits and overloads</b>	yes	yes	yes
<b>Protection against mis-connections of any type</b>	yes	yes	yes

### Accessories

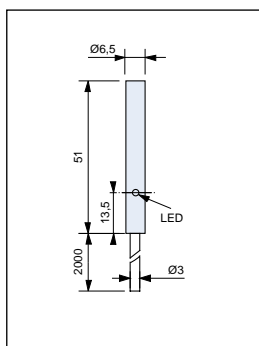
Mounting flanges, see page 8/39  
Connectors, see pages 8/37 -8/38

### Other informations

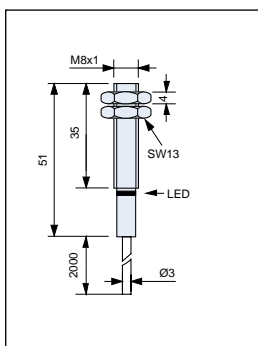
Special adaptations are available depending on the type of request and quantity required. Eg. cable length, tube length, connector type, etc.  
For general characteristics see page 8/5.



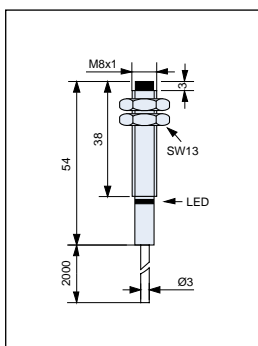
M5 screened  
0,8  
Stainless steel  
1  
M8 Stainless steel



Ø 6,5 screened  
1,5  
Stainless steel  
—  
2 m PVC Cable



M8 screened  
1  
Stainless steel  
10  
2 m PVC cable



M8 non-screened  
2  
Stainless steel  
10  
2 m PVC Cable

1

84 717 024

84 717 025

84 717 124

84 717 125

10 to 30 V  $\overline{\text{---}}$

150 mA

$\leq 2,1$  mA

$\leq 1$  V  $\overline{\text{---}}$  /  $\leq 10$  %

1000 Hz

yes

yes

yes

—

84 717 004

84 717 005

84 717 104

84 717 105

10 to 40 V  $\overline{\text{---}}$

200 mA

0,05 mA / 7 mA

3V /  $< 10$  %

2 kHz / 50 ms

yes

yes

yes

3 x 0,14 mm<sup>2</sup> / 3 mm

84 717 006

84 717 007

84 717 106

84 717 107

10 to 40 V  $\overline{\text{---}}$

200 mA

0,05 mA / 7 mA

3 V /  $< 10$  %

2 kHz / 50 ms

yes

yes

yes

3 x 0,14 mm<sup>2</sup> / 3 mm

84 717 008

84 717 009

84 717 108

84 717 109

10 to 40 V  $\overline{\text{---}}$

200 mA

0,05 mA / 7 mA

3 V /  $< 10$  %

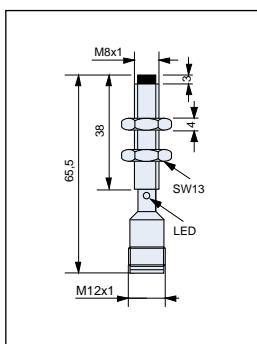
1,5 kHz / 50 ms

yes

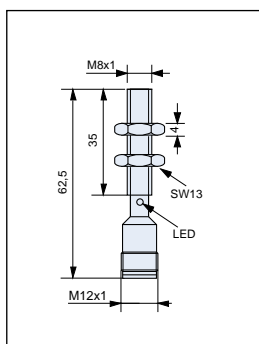
yes

yes

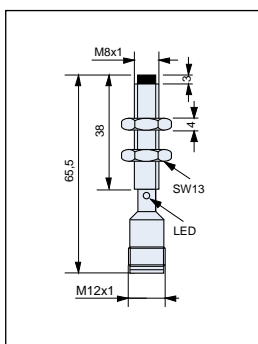
3 x 0,14 mm<sup>2</sup> / 3 mm



M8 non-screened  
2  
Stainless steel  
10  
M12 stainless steel connector



M8 screened  
1  
Stainless steel  
10  
M12 plastic connector



M8 non-screened  
2  
Stainless steel  
10  
M12 plastic connector

1

84 717 016

84 717 017

84 717 116

84 717 117

10 to 40 V  $\overline{\text{---}}$

200 mA

0,05 mA / 7 mA

3 V /  $< 10$  %

1,5 kHz / 50 ms

yes

yes

yes

84 717 018

84 717 019

84 717 118

84 717 119

10 to 40 V  $\overline{\text{---}}$

200 mA

0,05 mA / 7 mA

3 V /  $< 10$  %

2 kHz / 50 ms

yes

yes

yes

84 717 020

84 717 021

84 717 120

84 717 121

10 to 40 V  $\overline{\text{---}}$

200 mA

0,05 mA / 7 mA

3 V /  $< 10$  %

1,5 kHz / 50 ms

yes

yes

yes

### To order, specify:

Standard products

Standard products,  
non stocked

1

Part number

Example : Inductive proximity detector Ø4 84 717 000