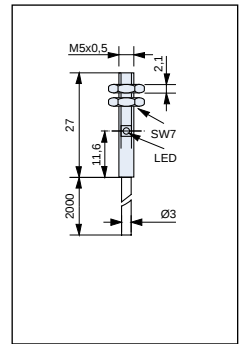
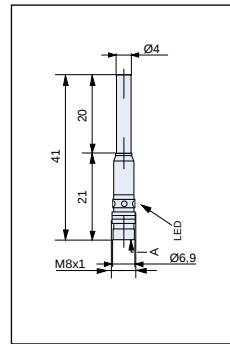
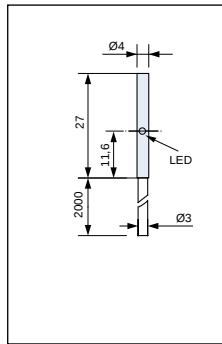
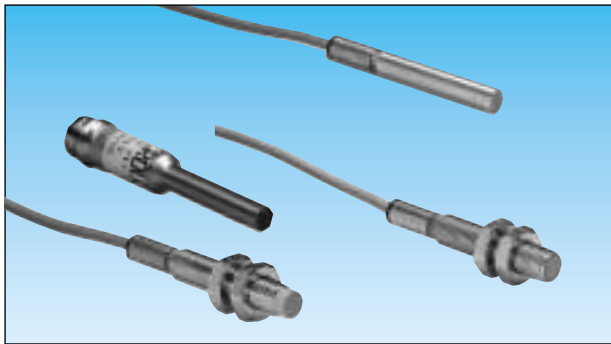


Inductive proximity detectors - Ø 4, M5, Ø 6.5, M8 - cable / connector



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

Part numbers

3-wire DC types

PNP	NO	
	NC	
NPN	NO	
	NC	

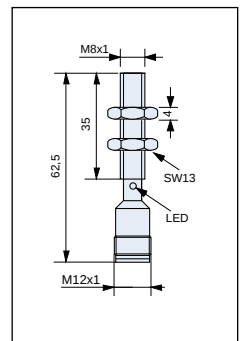
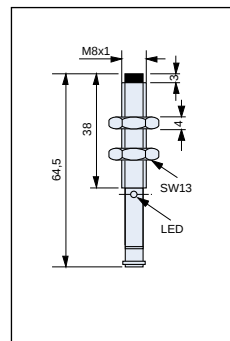
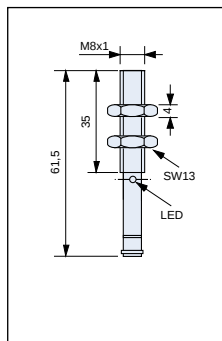
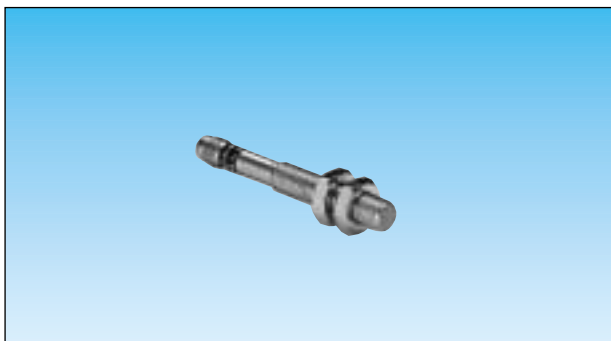
Min/max. supply voltage	10 to 30 V $\pm$	10 to 30 V $\pm$	10 to 30 V $\pm$
Max. load current (Ia)	150 mA	150 mA	150 mA
Own consumption (I_o)	17,5 mA	≤ 2,1 mA	0,05 mA / 17,5 mA
Voltage drop in closed state (U_d) / Max. ripple factor (Vr)	2,5 V / < 10 %	≤ 1 V $\pm$ / ≤ 10 %	2,5 V / < 10 %
Switching frequency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

84 717 000
84 717 001
84 717 100
84 717 101
10 to 30 V $\pm$
150 mA
17,5 mA
2,5 V / < 10 %
1 kHz / 10 ms
yes
yes
yes
3 x 0,14 mm ² / 3 mm

84 717 022
84 717 023
84 717 122
84 717 123
10 to 30 V $\pm$
150 mA
≤ 2,1 mA
≤ 1 V $\pm$ / ≤ 10 %
1000 Hz
yes
yes
yes
—

84 717 002
84 717 003
84 717 102
84 717 103
10 to 30 V $\pm$
150 mA
0,05 mA / 17,5 mA
2,5 V / < 10 %
1 kHz / 10 ms
yes
yes
yes
3 x 0,14 mm ² / 3 mm

Inductive proximity detectors - M8 - connectors



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

Part numbers

T3-wire DC types

PNP	NO	
	NC	
NPN	NO	
	NC	

Min/max. supply voltage i	10 to 40 V $\pm$	10 to 40 V $\pm$	10 to 40 V $\pm$
Max. load current (Ia)	200 mA	200 mA	200 mA
Residual open-state current (I_r) / Own consumption (I_o)	0,05 mA / 7 mA	0,05 mA / 7 mA	0,05 mA / 7 mA
Voltage drop in closed state (U_d) / Max. ripple factor (Vr)	3 V / < 10 %	3 V / < 10 %	3 V / < 10 %
Switching frequency / Delay on pick-up (td)	2 kHz / 50 ms	1,5 kHz / 50 ms	2 kHz / 50 ms
LED indicator	yes	yes	yes
Protection against permanent short-circuits and overloads	yes	yes	yes
Protection against mis-connections of any type	yes	yes	yes

84 717 010
84 717 011
84 717 110
84 717 111
10 to 40 V $\pm$
200 mA
0,05 mA / 7 mA
3 V / < 10 %
2 kHz / 50 ms
yes
yes
yes

84 717 012
84 717 013
84 717 112
84 717 113
10 to 40 V $\pm$
200 mA
0,05 mA / 7 mA
3 V / < 10 %
1,5 kHz / 50 ms
yes
yes
yes

84 717 014
84 717 015
84 717 114
84 717 115
10 to 40 V $\pm$
200 mA
0,05 mA / 7 mA
3 V / < 10 %
2 kHz / 50 ms
yes
yes
yes

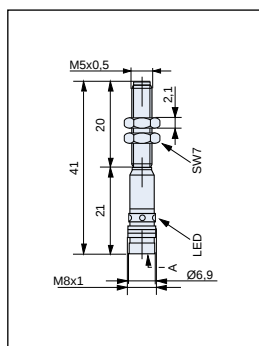
Accessories

Mounting flanges, see page 8/39

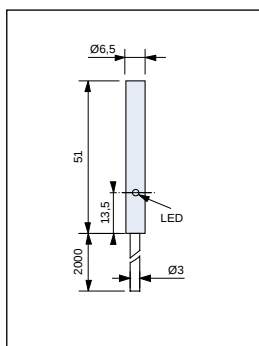
Connectors, see pages 8/37 -8/38

Other informations

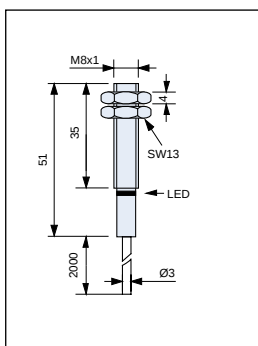
Special adaptations are available depending on the type of request and quantity required. Eg. cable length, tube length, connector type, etc.
For general characteristics see page 8/5.



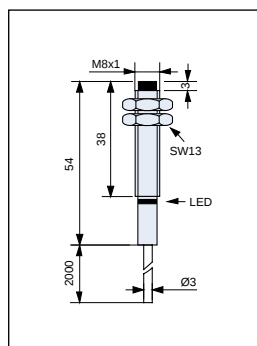
M5 screened
0,8
Stainless steel
1
M8 Stainless steel



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 ---

150 mA

$\leq 2,1$ mA

≤ 1 V --- / ≤ 10 %

1000 Hz

yes

yes

yes

—

84 717 004

84 717 005

84 717 104

84 717 105

10 to 40 V ---

200 mA

0,05 mA / 7 mA

3 V / < 10 %

2 kHz / 50 ms

yes

yes

yes

3 x 0,14 mm² / 3 mm

84 717 006

84 717 007

84 717 106

84 717 107

10 to 40 V ---

200 mA

0,05 mA / 7 mA

3 V / < 10 %

2 kHz / 50 ms

yes

yes

yes

3 x 0,14 mm² / 3 mm

84 717 008

84 717 009

84 717 108

84 717 109

10 to 40 V ---

200 mA

0,05 mA / 7 mA

3 V / < 10 %

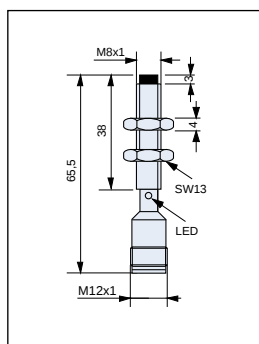
1,5 kHz / 50 ms

yes

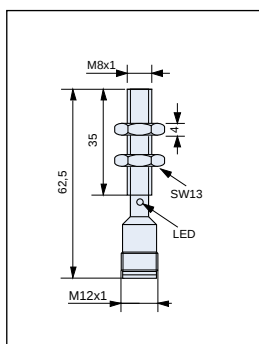
yes

yes

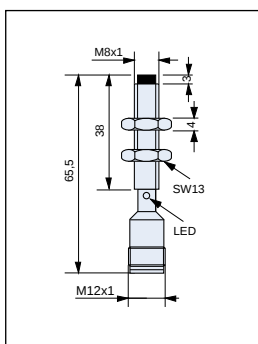
3 x 0,14 mm² / 3 mm



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 ---

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 ---

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 ---

200 mA

0,05 mA / 7 mA

3 V / < 10 %

1,5 kHz / 50 ms

yes

yes

yes

8

To order, specify:

Standard products

Standard products,
non stocked

1

Part number

Example : Inductive proximity detector Ø4 84 717 000