

M18 DC



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M18 Non-Screened

<u>Nominal Sensing Distance Sn (mm)</u>	<u>Connection</u>	<u>3-Wire DC Polarity PNP</u>	<u>3-Wire DC Polarity NPN</u>	<u>Part Number</u>
2 to 10 mm adjustable	2 m PVC Cable	NO		<u>84718506</u>
2 to 10 mm adjustable	2 m PVC Cable		NO	<u>84718508</u>

Capacitive Proximity Detectors - M18 - M30

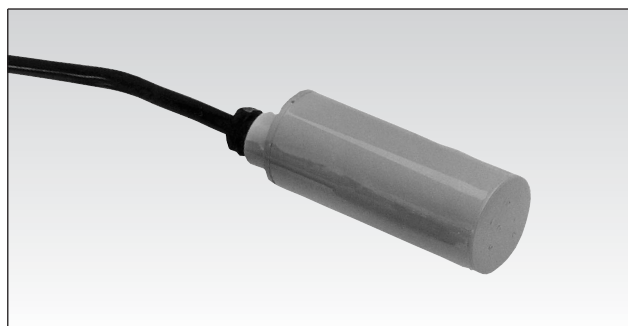
- Smooth body : ideally suited to agricultural applications

M18

- Sensing distance adjustable from 2 mm to 10 mm

M30

- Fixed sensing distance of 9 mm
- Application
Level detection : liquids, granulates, paper, ink, etc.



Form

Nominal sensing distance Sn (mm)

Housing

Tightening torque (Nm)

Termination

M18 non-screened
2 to 10 mm adjustable
Plastic

Ø30 non-screened
9 (fixed)
Plastic

2 m PVC cable

2 m PVC cable

Part numbers

3-wire DC types

PNP NO

NPN NO

Min/max. supply voltage

Max. load current (Ia)

Residual open-state current (Ir) / Own consumption (Io)

Voltage drop in closed state (Ud) / Max. ripple factor (Vr)

Switching frequency (F) / Delay on pick-up (td)

LED indicator

Protection against permanent short-circuits and overloads

Protection against mis-connections of any type

Conductor cross-section / External cable diameter

84 718 506

84 718 508

10 to 40 V \pm

200 mA

< 0.05 mA / < 10 mA

< 2.8 V \pm / < 10 %

25 Hz / < 100 ms

yes

yes

yes

3 x 0.25 mm² / 5.2 mm

Part numbers

2-wire AC types

Polarity NO

reversible NC

Min/max. supply voltage

Min/max. load current (Ia)

Residual open-state current (Ir)

Voltage drop in closed state (Ud)

Switching frequency (F) / Delay on pick-up (td)

LED indicator

Conductor cross-section

84 718 510

84 718 511

20 to 265 V \sim

10 to 500 mA

< 2.6 mA

< 10 V

10 Hz / < 350 ms

yes

2 x 0.5 mm² / 5.2 mm

84 718 588

84 718 589

90 to 240 V \sim

20 to 150 mA

< 10 mA

< 11 V

5 Hz /

no

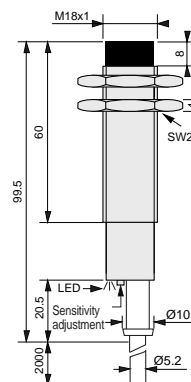
2 x 0.75 mm² / 5.2 mm

Accessories

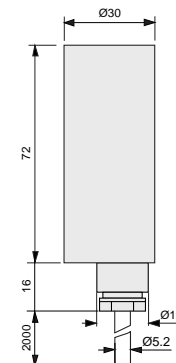
Mounting flanges, see page 3/102

Dimensions (mm)

84 718 506 / 508
84 718 510 / 511



84 718 588 / 589



Other information	To order, specify:		
Special adaptations are available depending on the type of request and quantity required. Eg. cable length.			
	<table border="0"> <tr> <td style="background-color: #cccccc;">Standard products</td> <td>1 Part number Example : Capacitive proximity detector M18 84 718 506</td> </tr> </table>	Standard products	1 Part number Example : Capacitive proximity detector M18 84 718 506
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