

Pendulum rod

Filling level sensor, inductive, 21x14x52mm, pendulum, 10-30V DC, PNP, M8 plug connector 3-pin, polyamide housing



/ Level control of bulk materials in oscillation conveyors

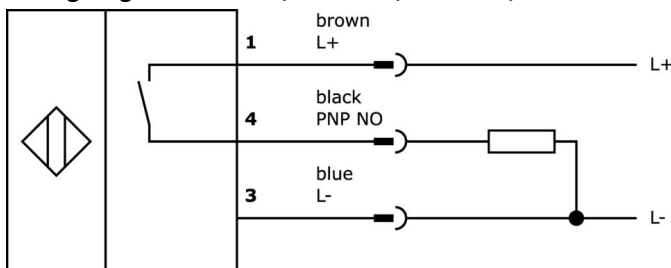
Flexibly mounted pendulum Pendulum can be shortened as required

Filling level and level sensors operate according to different measuring principles. The selection of the sensor depends on the medium to be detected and the ambient conditions. The material flow in a vibratory bowl can be excellently queried with inductive filling level sensors whose pendulum is moved by the material in the pot. The detection of liquid or solid media is, for instance, possible with capacitive filling level sensor technology. These work according to the principle of the condensator, the medium changes the dielectricity between two electrodes. The resulting change is converted into a digital output signal. A further alternative for the detection of filling levels of conductive media is provided by conductive filling level relays. The resistance between reference and measuring electrode is determined. If a set threshold is exceeded, a relay output switches.

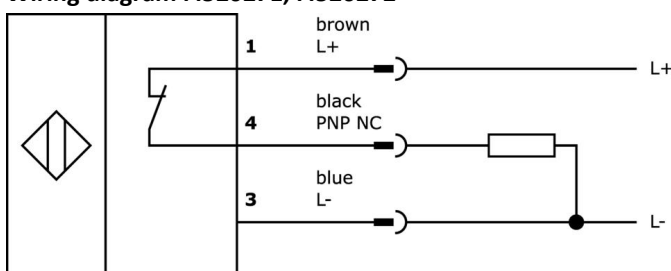
Article No.	FI520170	FI520171	FI520173	FI520271
Display	LED display			
Type of switching function	Normally open contact (NO)	Normally open contact (NO)	Normally open contact (NO)	Normally closed contact (NC)
Type of switching output	PNP			
Design	Cuboid			
Rated switching current	200 mA			
No-load current	15 mA			
Pendulum length	200 mm	200 mm	300 mm	200 mm
Degree of protection (IP)	IP67			
Voltage drop	2 V			
Ambient temperature	0 - 50 °C			
Housing material	Nylon 6 with 30% glass fibers			
Joint material	Plastic	Stainless steel	Stainless steel	Stainless steel
Pendulum material	Plastic (POM C)			
Measurement principle	Inductive			
ardSOCA_Abmessungen	252x14x21mm	252x14x21mm	352x14x21mm	252x14x21mm
ardSOCA_ElektrischerAnschluss	M8 3-pin plug connector			
ardSOCA_Betriebsspannung	10-30VDC			
ardTEEL_Schutzfunktionen	Verpolungsschutz Kurzschlusschutz			

Article No.	FI520172	FI520272	FI52C052
Display	LED display		
Type of switching function	Normally open contact (NO)	Normally closed contact (NC)	Normally open contact (NO)
Type of switching output	PNP		
Design	Cuboid		
Rated switching current	200 mA		
No-load current	15 mA		
Pendulum length	100 mm	100 mm	200 mm
Degree of protection (IP)	IP67		
Voltage drop	2 V		
Ambient temperature	0 - 50 °C		
Housing material	Nylon 6 with 30% glass fibers		
Joint material	Stainless steel		
Pendulum material	Stainless steel 1.4571		
Measurement principle	Inductive		
ardSOCA_Abmessungen	152x14x21mm	152x14x21mm	252x14x21mm
ardSOCA_ElektrischerAnschluss	M8 3-pin plug connector		
ardSOCA_Betriebsspannung	10-30VDC		
ardTEEL_Schutzfunktionen	Verpolungsschutz Kurzschlusschutz		

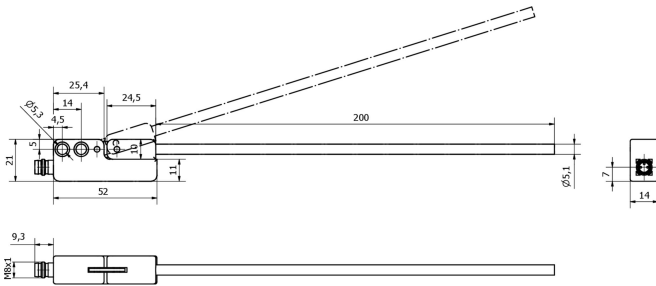
Wiring diagram FI520170, FI520171, FI520172, FI520173



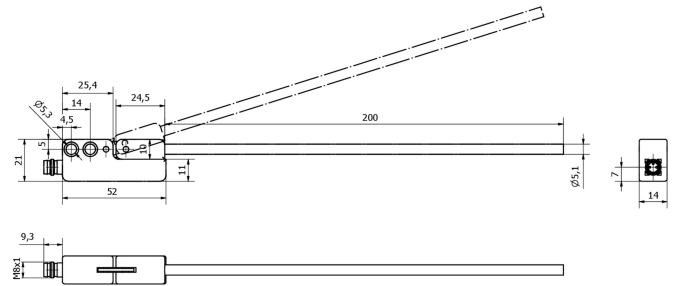
Wiring diagram FI520271, FI520272



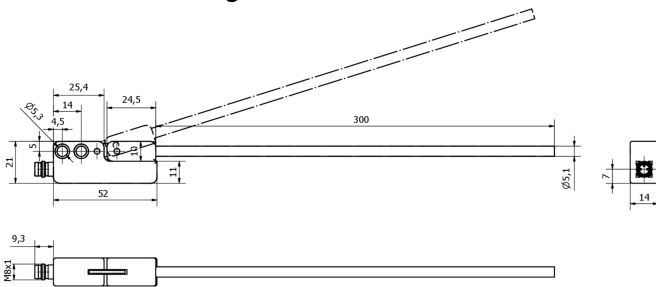
Dimensional drawing FI520170



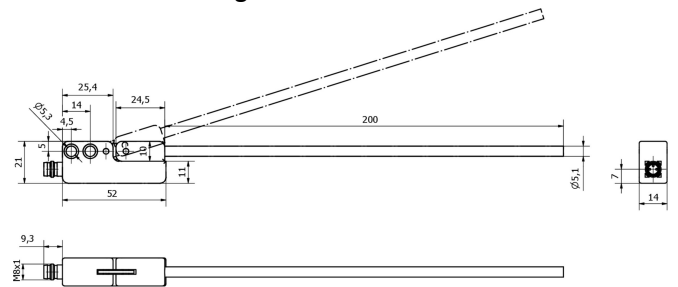
Dimensional drawing FI520171



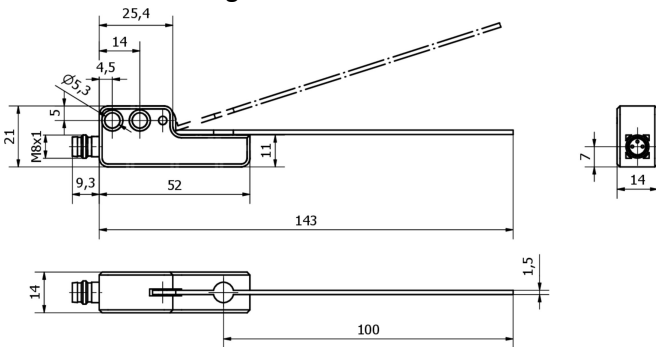
Dimensional drawing FI520173



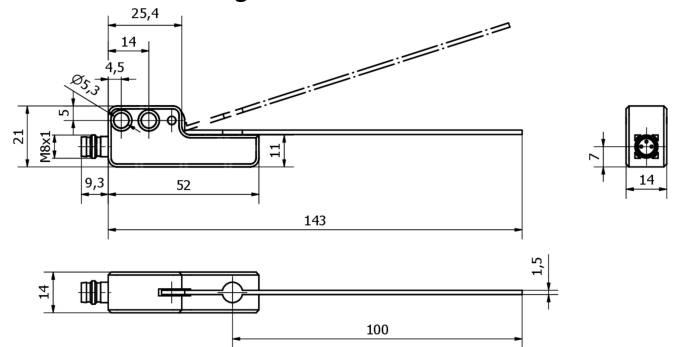
Dimensional drawing FI520271



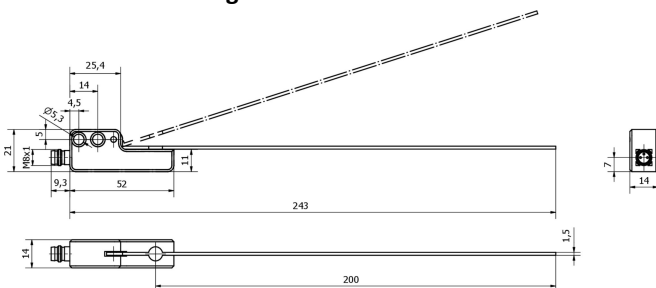
Dimensional drawing FI520172



Dimensional drawing FI520272




Dimensional drawing FI52C052




Extract accessories program

VK500071



Connection cable, 5m, M8 Female (socket) 3pin Angular, Free conductor end 3pin, 3x0.34mm², PUR (Polyurethane), Ø4.3mm, 250V, -30-90°C, IP67, Suitable for trailing chain and torsion resistant, Oil and cooling lubricants, Welding area, Silicone-free

VK500075




Connection cable, 5m, M8 female (socket) 3pin Straight, free conductor end 3pin, 3x0.34mm², PUR (Polyurethane), Ø4.3mm, 60V, -30-90°C, IP67, suitable for trailing chain and torsion resistant, oil and cooling lubricants, welding area, silicone-free

VK200271



Connection cable, 2m, M8 Female (socket) 3pin Angular, Free conductor end, 3x0.34mm², PUR (Polyurethane), Ø4.3mm, -30-90°C, IP67, With LED display, Suitable for trailing chain and torsion resistant, Oil and cooling lubricants, Welding area, Silico...

VK500275




Connection cable, 5m, M8 socket 3pin straight, free cable end, 3x0, 25mm², PUR (polyurethane), Ø4, 15mm, -30-90°C, IP67, LED, suitable for trailing chain and torsion resistant, oils and cooling lubricants, welding area, silicone-free

VK100F70



Connection cable, 5m, M8 socket 3pin straight, free cable end, 3x0, 25mm², PUR (polyurethane), Ø4, 15mm, -30-90°C, IP67, LED, suitable for trailing chain and torsion resistant, oils and cooling lubricants, welding area, silicone-free

VK100F74



Connection cable, 1m, M8 socket 3-pin straight, M8 connector 3-pin straight, 3x0.34mm², PUR (polyurethane), 60V, IP67, suitable for trailing chain and torsion resistant, oils and cooling lubricants, welding area, silicone-free

You can find further accessories on our homepage



Installation

Mounting / installation may only be carried out by a qualified electrician!



Disposal

WEEE number according to § 6 para. 3 ElektroG: 40951076

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.