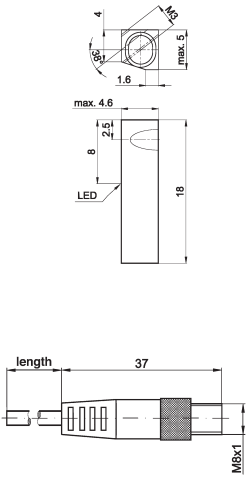
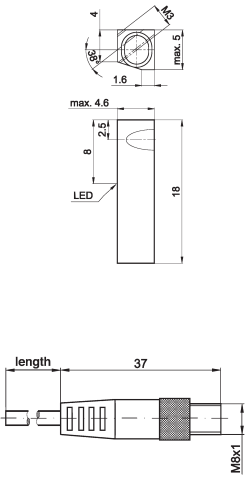
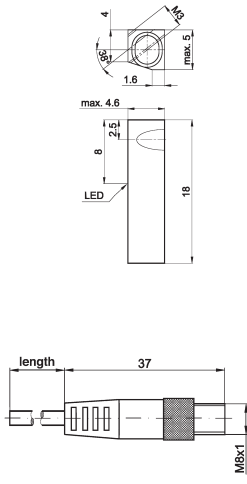


article-no.	MZ0701A2	MZ070122	MZ070172
connection	2m cable	M12-cable connector, 300mm	M8-cable connector, 300mm
operating temperature	-25 ... +70°C	-25 ... +70°C	-25 ... +70°C
article-no.	-	MZ0701E2	MZ0701F2
connection	-	M12-cable connector, 600mm	M8-cable connector, 600mm
operating temperature	-	-25 ... +70°C	-25 ... +70°C
article-no.	-	MZ0701J2	-
connection	-	M12-cable connector, 1000mm	-
operating temperature	-	-25 ... +70°C	-
preferred types are shown in bold!			
TECHNICAL DATA			
sensor surface (active)	middle area	middle area	middle area
output signal	pnp, no	pnp, no	pnp, no
operating voltage	10 ... 30V DC	10 ... 30V DC	10 ... 30V DC
current consumption (w/o load)	ffi 10mA	ffi 10mA	ffi 10mA
output current (max. load)	200mA	200mA	200mA
voltage drop (max. load)	2.0V DC	2.0V DC	2.0V DC
switching hysteresis	typ. 1mm	typ. 1mm	typ. 1mm
repeatability	±0.1mm	±0.1mm	±0.1mm
switching frequency	1kHz	1kHz	1kHz
display (signal)	yellow LED	yellow LED	yellow LED
short-circuit protection	+	+	+
reverse polarity protection	+	+	+
housing material	aluminum	aluminum	aluminum
dimensions	5x6.5x27mm	5x6.5x27mm	5x6.5x27mm
operating temperature	-25 ... +70°C	-25 ... +70°C	-25 ... +70°C
degree of protection (EN 60529)	IP67	IP67	IP67
connection	2m cable, PUR, 3-wire	M12-cable connector, PUR, 3-pin	M8-cable connector, PUR, 3-pin
connection accessories	-	e.g. VK200025	e.g. VK200075
mounting accessories	AM000076 positive stop cable clip AM000087	AM000076 positive stop cable clip AM000087	AM000076 positive stop cable clip AM000087

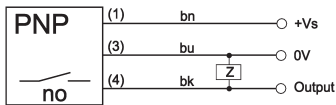
article-no.	MZ070173	MZ0701A6	MZ070126
connection	M8-connector	2m cable	M12-cable connector, 300mm
operating temperature	-25 ... +70°C	-25 ... +70°C	-25 ... +70°C
article-no.	-	-	MZ0701E6
connection	-	-	M12-cable connector, 600mm
operating temperature	-	-	-25 ... +70°C
article-no.	-	-	MZ0701J6
connection	-	-	M12-cable connector, 1000mm
operating temperature	-	-	-25 ... +70°C
preferred types are shown in bold!			
TECHNICAL DATA			
sensor surface (active)	middle area	middle area	middle area
output signal	pnp, no	pnp, no	pnp, no
operating voltage	10 ... 30V DC	10 ... 30V DC	10 ... 30V DC
current consumption (w/o load)	ffi 15mA	ffi 15mA	ffi 15mA
output current (max. load)	200mA	200mA	200mA
voltage drop (max. load)	2.0V DC	2.0V DC	2.0V DC
switching hysteresis	typ. 1mm	typ. 1mm	typ. 1mm
repeatability	±0.1mm	±0.1mm	±0.1mm
switching frequency	1kHz	1kHz	1kHz
display (signal)	yellow LED	yellow LED	yellow LED
short-circuit protection	+	+	+
reverse polarity protection	+	+	+
housing material	aluminum	aluminum	aluminum
dimensions	10.2x16x25mm	5x4.6x18mm	5x4.6x18mm
operating temperature	-25 ... +70°C	-25 ... +70°C	-25 ... +70°C
degree of protection (EN 60529)	IP67	IP67	IP67
connection	M8-connector, 3-pin	cable, 2m, PUR	M12-connector, PUR, 3-pin
connection accessories	e.g. VK200075	-	e.g. VK200025
mounting accessories	-	AM000076 positive stop cable clip AM000087	AM000076 positive stop cable clip AM000087



article-no.	MZ070176	MZ070186	-
connection	M8-cable connector, 300mm	M8-cable connector, 300mm	-
operating temperature	-25 ... +70°C	-25 ... +70°C	-
article-no.	MZ0701F6	-	MZ070156
connection	M8-cable connector, 600mm	-	M8-cable connector, 600mm
operating temperature	-25 ... +70°C	-	-25 ... +130°C (connector max. +100°C)
article-no.	MZ0701K6	-	-
connection	M8-cable connector, 1000mm	-	-
operating temperature	-25 ... +70°C	-	-
preferred types are shown in bold!			
TECHNICAL DATA			
sensor surface (active)	middle area	middle area	middle area
output signal	npn, no	npn, no	npn, no
operating voltage	10 ... 30V DC	10 ... 30V DC	10 ... 30V DC
current consumption (w/o load)	ffi 15mA	ffi 15mA	ffi 15mA
output current (max. load)	200mA	200mA	200mA
voltage drop (max. load)	2.0V DC	2.0V DC	2.0V DC
hysteresis	typ. 1mm	typ. 1mm	typ. 1mm
repeatability	±0.1mm	±0.1mm	±0.1mm
switching frequency	1kHz	1kHz	1kHz
display (signal)	yellow LED	yellow LED	-
short-circuit protection	+	+	+
reverse polarity protection	+	+	+
housing material	aluminum	aluminum	aluminum
dimensions	5x4.6x18mm	5x4.6x18mm	5x4.6x18mm
operating temperature	-25 ... +70°C	-25 ... +70°C	-25 ... +130°C (connector max. +100°C)
degree of protection (EN 60529)	IP67	IP67	IP67
connection	M8-cable connector, PUR, 3-pin	M8-cable connector, teflon, 3-pin	M8-cable connector, teflon, 3-pin
connection accessories	e.g. VK200075	e.g. VK200075	e.g. VK200075
mounting accessories	AM000076 positive stop cable clip AM000087	AM000076 positive stop cable clip AM000087	AM000076 positive stop cable clip AM000087
			Caution: The output stage is located in the connector!

connection

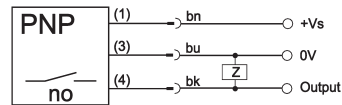
cable device



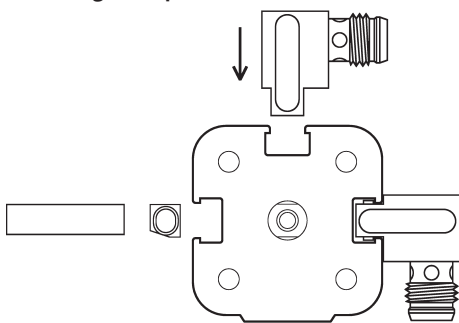
wire colors: bn = brown (1), bu = blue (3), bk = black (4)

cable connector with rotatable outside thread

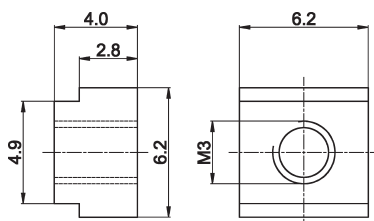
connector device



mounting example



positive stop with clamp fastening AM000076



ACCESSORIES

article-no.	description	material
AM000076	positive stop for T-groove	zinc
AM000087	cable clip for T-groove	plastic

This data sheet only contains the available standard variants. For other output / connection variants, we kindly ask that you contact us.

We are happy to supply the right cable socket for the plug equipment. You will find a list in the “accessories” section of the catalog under **ipf-SENSORFLEX**® “cable sockets” or in the search window on our homepage www.ipf-electronic.com (using the search term “VK”).

Warning: Never use these devices in applications where the safety of a person depends on their functionality.

This data sheet as well as your personal contact can be found at www.ipf-electronic.com

NOTES

A large grid area for taking notes, consisting of a 20x30 grid of small squares. The grid is empty and occupies the majority of the page below the 'NOTES' header.