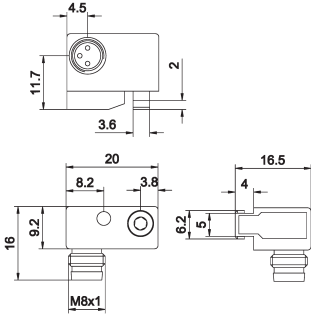
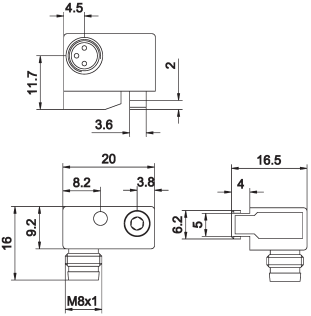
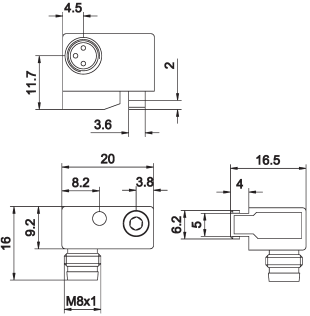
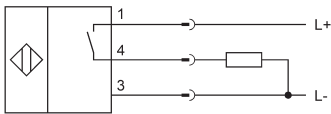


article-no.	MZA70175	MZA70155	MZA72185
operating temperature	-20 ... +70°C	-20 ... +100°C	-20 ... +70°C
version	standard	enlarged temperature range	shorter travel path
sensor surface (active)	middle area	middle area	below the connector
			
TECHNICAL DATA			
sensor surface (active)	middle area	middle area	below the connector
output signal	PNP, NO	PNP, NO	PNP, NO
operating voltage	10 ... 30V DC	10 ... 30V DC	10 ... 30V DC
current consumption (w/o load)	≤ 10mA	≤ 10mA	≤ 10mA
output current (max. load)	150mA	150mA	150mA
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	5kHz	5kHz	5kHz
display (signal)	yellow LED	-	yellow LED
short-circuit protection	+	+	-
reverse polarity protection	+	+	+
housing material	zinc diecast	zinc diecast	zinc diecast
dimensions	9.2x16.5x20mm	9.2x16.5x20mm	9.2x16.5x20mm
operating temperature	-25 ... +70°C	-25 ... +100°C	-25 ... +70°C
degree of protection (EN 60529)	IP67	IP67	IP67
connection	M8-connector, 3-pin	M8-connector, 3-pin	M8-connector, 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

connection

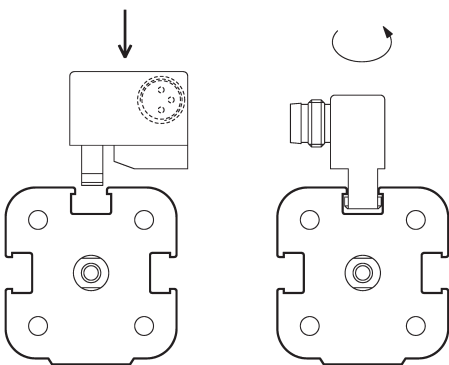
connector device



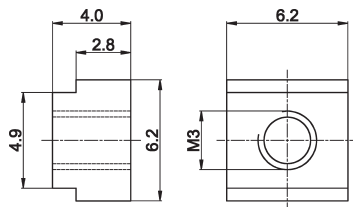
1 = L+, 3 = L-, 4 = PNP NO

wire colors: BN = brown (1), BU = blue (3), BK = black (4)

mounting



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 contains only the available standard versions. Please contact us for other output and connection versions.

We will be pleased to supply the matching cable socket for your connector devices. Please refer to the list in catalog chapter "accessories" under "cable sockets **ipf-SENSORFLEX®**" or search our website for "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.