

dimensions **M8 x 1**

- ✓ metal sleeve made of VA
- ✓ LED-display
- ✓ integrated amplifier
- ✓ threaded devices acc. EURONORM
- ✓ M8-connection

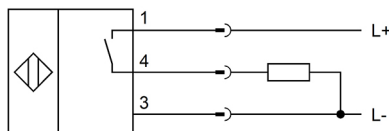


**unipolar magnetic sensors
north and south pole detection**



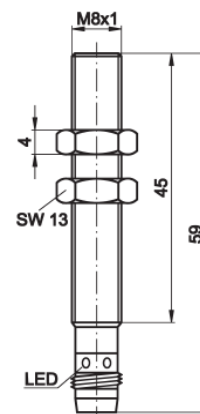
Technical Data	MC080180	MC080185
detectable magnetic pole	south pole	north pole
magnetic sensitivity	approx. 10mT	approx. 10mT
operating voltage	10-30V DC	10-30V DC
current consumption (w/o load)	< 20mA	< 20mA
output current (max. load)	150mA	150mA
output signal	npn, no	npn, no
switching frequency	500Hz	500Hz
display (signal)	LED yellow	LED yellow
short-circuit protection	+	+
reverse polarity protection	+	+
dimensions	M8 x 1	M8 x 1
length (thread / total)	45mm / 59mm	45mm / 59mm
material (housing)	stainless steel 1.4305	stainless steel 1.4305
temperature (operating)	-25 ... +70 °C	-25 ... +70 °C
degree of protection (EN 60529)	IP67	IP67
connection	M8-connector, 3-pin	M8-connector, 3-pin
connection accessories	e.g. VK200075	e.g. VK200075
mounting accessories (universal holder)	AY000115	AY000115
mounting accessories (clip)	AY000047	AY000047

connection



1 = BN (brown), 3 = BU (blue), 4 = BK (black)
1 = L+, 3 = L-, 4 = npn no

dimensional drawing



article-no: **MC080180** (south pole detection)
MC080185 (north pole detection)

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