

## MC0818x

Magnetic sensors – proximity switch  
Dimensions M8x1

- / Metal sleeve made of VA
- / LED-display
- / Integrated amplifier
- / Threaded devices acc. EURONORM
- / M8-connection

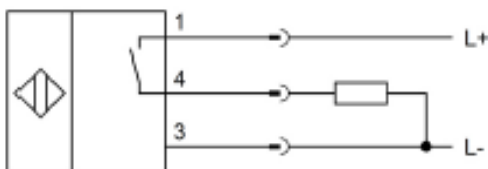


### Unipolar magnetic sensors north and south pole detection



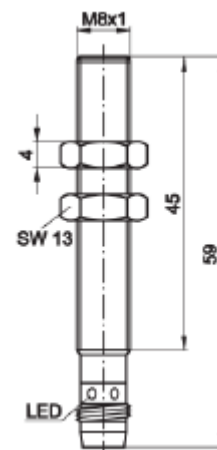
TECHNICAL DATA	MC080180	MC080185
Detectable magnetic pole	South pole	North pole
Magnetic sensitivity	Approx. 10mT	Approx. 10mT
Operating voltage	10-30V DC	10-30V DC
Current consumption (w/o load)	< 20mA	< 20mA
Output current (max. load)	150mA	150mA
Output signal	pnp, no	pnp, no
Switching frequency	500Hz	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 = pnp 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.