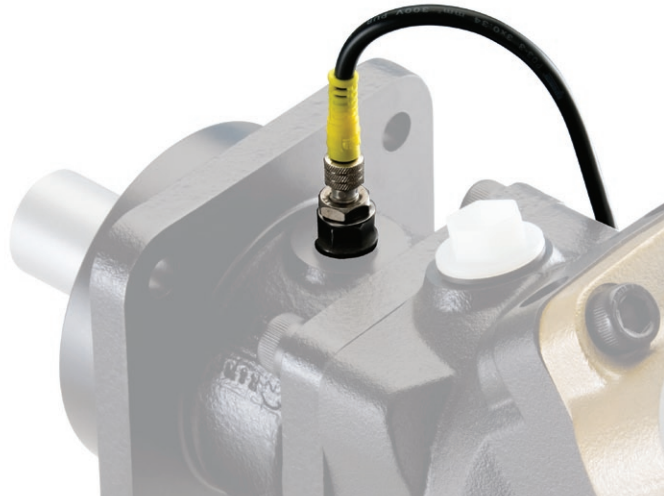


# Tachometer sensor



## Tachometer sensor for Sunfab hydraulic motor SCM

For hydraulic motors that require a specific given speed Sunfab offers a tachometer sensor with electronic speed measurement.

### Sensor:

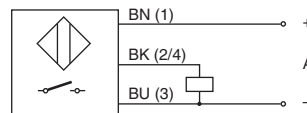
Threaded connection: M8x1  
 PNP: normally open  
 Pulses: 2 pulses/rpm  
 Voltage: (+UB) 10-30 VDC  
 Outgoing current: max. 200 mA  
 Switching frequency: max. 1000 Hz  
 Enclosure class: IP67  
 Working temperature: min/max -25...+70 °C  
 Approval: EMC 89/336/ EWG EN60947-5-2

### Cable:

Connection: M8 straight  
 Length: 2 m  
 Cable cross section: 3 x 0.34 mm<sup>2</sup>  
 Type: PUR  
 Enclosure class: IP67  
 Working temperature moving installation: min/max -5...+70 °C  
 Working temperature fixed installation: min/max -30...+70 °C

### Cable colours:

BN = brown  
 BU = blue  
 BK = black (outgoing)



### PNP normally open

The PNP output stage consists of a PNP-transistor which connects the load to the positive operating voltage +UB. The load is connected between the output and the negative operating voltage 0 V.

## Installation

The motor shaft has been machined down 2 mm in the centre for a flat key and has a similar flat on the opposite side. These cut-outs are used as indicators for the tachometer sensor. On motors with splines there are equivalent cut-outs, but these must be localised through measuring.

Turn the shaft so the cut-outs are 90° offset in relation to a free drainage outlet. Carefully screw in the sensor until it bottoms against the shaft. Now turn the sensor back 1 turn, which corresponds to 1 mm. Lock in position using the locking nut.

