

# KA Sensors Ltd

Sensing - Measurement - Control Solutions for Motor Sports

- **Miniature size**
- **M8 or M12 size**
- **IP67 Sealed**
- **Rugged stainless steel construction**
- **10-24V supply**
- **Low cost**

The KA-SP Series of wheel speed sensors are based upon inductive sensing principle and designed to give a switched output when a ferrous wheelnut or gear tooth passes the sensor tip.

Typical applications include wheelspeed, traction control, launch control, drive shaft speed.

KA Sensors Ltd have over 15 years of experience with transducer applications in motor sport, we are therefore able to fully understand the complex requirements of racing and are available to assist with any application.

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**Sensing range:**        **M8 = 2mm**  
                              **M12 = 4mm**

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**Supply:**                **10 - 24V (15mA)**  
**Output:**                **PNP or NPN**  
**Indicator:**             **LED to show switch is on**  
**Max switch current:** **200mA**  
**Switch frequency:** **M8 = 4000Hz**  
                              **M12 = 600Hz**

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**Operating temp:**     **-40 to +70°C**  
**Construction:**       **Stainless steel + PBTP**  
**Cable:**                 **2m PVC**

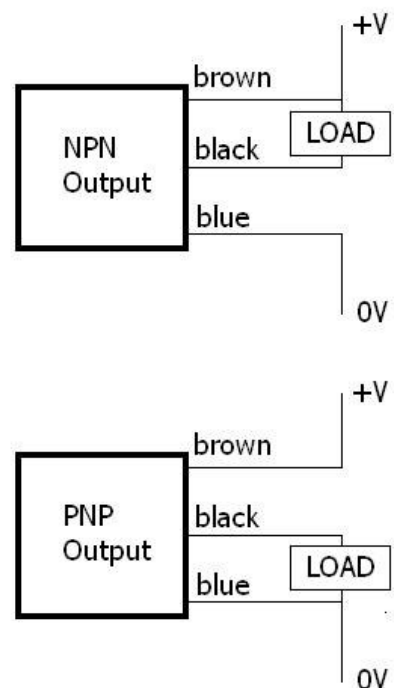
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**Mechanical dimensions:**  
                              **M8 x 30mm long**  
                              **M12 x 41mm long**

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**Part number:**  
**KA-SP8-PNP = M8 size PNP output**  
**KA-SP8-NPN = M8 size NPN output**  
**KA-SP12-PNP = M12 size PNP output**  
**KA-SP12-NPN = M12 size NPN output**

## KA-SP Series Wheel Speed Sensor



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