

3/8-64 UNF DHE SENSOR HIGH TEMPERATURE 175 ℃



DHE (Differential Hall Effect) sensors give an output when subjected to a changing magnetic field. The field is set up by a magnet inside the sensor body and changes when ferromagnetic teeth are passed beneath the sensor (no magnets are required in the target). To improve noise resistance, the sensor has two Hall effect elements and only to changes in magnetic field strength responds corresponding to tooth passing frequencies above 15Hz. As each tooth passes the sensor, the digital state of the output changes.

Please request our installation datasheet for further details.

Electrical	Mechanical	
 Supply voltage 9 to 24V unregulated Supply current 5 to 15mA Open collector output Output current 35mA maximum Frequency response 15Hz to 20kHz Reverse polarity protection Output polarity depends on the rotational direction of the target wheel 	 Air gap 1.5mm maximum Body diameter 3/8-64 UNF - 6g Weight less than 30g (including cable) Aluminium alloy body and locking nuts, hard anodised and dyed black Polyester cable boss for strain relief to the sensor body Two locking nuts, 3/8-64 UNF - 6H 	
 Cable and Connection Definition 24 AWG un-screened cable Cable length is shown on the order details but any length is available on request Various automotive and military standard 	Design and manufacture is in-house, so if our existing designs do not suit your application, we can provide cost effective customised parts to suit even the most demanding application. No engineering charges are made for simple modifications such as customer specific connectors, cable protection and cable lengths. Please contact our technical consultancy service who will be pleased to help.	
connectors are availableConnection	Environmental	
Red wirePin APin 1SupplyGreen wirePin BPin 2SignalWhite wirePin CPin 3Ground	 Vibration 50 to 2500Hz @ 40g 8hrs per axis Resistant to standard motorsport fluids Maximum humidity 100% 	
Application	 Operating temperature -10 to +175 °C* Viton jacketed cable 	
Wheel speed		
Cam position sensing (application specific, please contact our technical consultancy service)	* Functional life of no less than 1000 hours at 175°C	

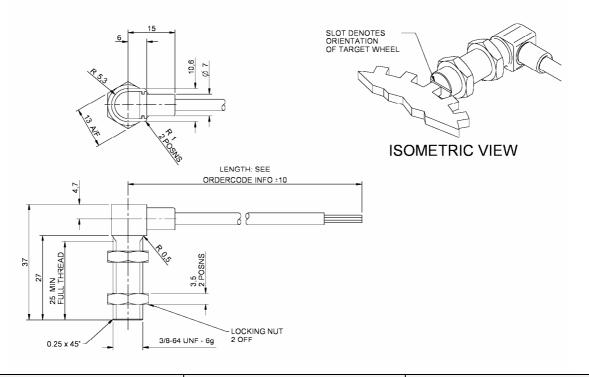
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Cable Length	Connector	Order Code
1000mm	None	O 030 350 000 225
250mm	ASL606-05PD-HE	O 030 350 000 226
127mm	ASL606-05PN-HE	O 030 350 000 230
200mm	ASL106-05SD-HE	O 030 350 000 227
250mm	ASU603-03PA-HE	O 030 350 000 219
178mm	ASU603-03-PD-HE	O 030 350 000 258
150mm	ASU603-03-PD-HE	O 030 350 000 220

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