Sensata Technologies

5HMP6 SERIES

HVAC & Refrigeration Pressure Sensor

The Sensata Technologies 5HMP6 series is ideal for demanding air conditioning, refrigeration and industrial applications where long-term reliability and accuracy is a must. The 5HMP6 provides best in class accuracy over temperature, in a reliable, hermetic design at a competitive price. Sensata Technologies has been a leading global supplier of pressure sensors and switches for over 50 years.



Features

- Rugged seal ideal for outdoor environments
- Industry leading accuracy over broad temperature range
- Electrical isolation helps protect against electrical shocks or equipment damage
- Media isolation prevents abnormal operation during thermal shock
- Media and electrical isolation protects against thermal and electrical shock
- Outstanding EMC/ESD performance
- Low cost design for OEM applications
- MEMS sensing technology
- Integrated connector or flying leads
- Flexible threaded fitting or braze tube pressure connection and mounting options

Applications

- Commercial refrigeration
- Variable speed HVAC and heat pump
- Transport refrigeration
- Chillers
- Heat pumps
- Variable refrigerant flow (VRF)



Technical

SPECIFICATIONS

Cycle Life	1 million F.S. cycles
Vibration	10g (50 to 2000Hz)
Drop (any Axis)	1 m
Electrical Connection	Sensor meets IP67 when equipped with M12 connector system and appropriate mating connector
Wetted Materials	Brass/copper Other materials available

Electrical

Supply Voltage (V _{IN})	8- 32 VDC
Output	4- 20mA
Output Load	<=(Vs-8VDC)/(20mA)
Output Response Time	10ms
Overvoltage Protection	Max 36VDC 1min with T=25C
Reverse Voltage	Yes
ESD (IEC 61000-4-2)	8KV contact, 8KV air
Electrically Isolated Housing	1800VAC for 1 second

STANDARD CONFIGURATIONS

Dimensions in mm



AGENCY APPROVALS & CERTIFICATES



UL/C-UL EMC ATEX

873 RoHS Compliant 2014/30/EC, EN61326-1 Class B Equipment, Equipment Group 1 60079-7

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