TE Internal #: 20023687-80

Wireless Accelerometers, LoRaWAN, 915MHz Frequency Band,

**Uniaxial Sensing** 

View on TE.com >



Sensors > Vibration Sensors > LoRaWAN Wireless Vibration Sensors





Accelerometer Type: Wireless

Vibration Sensor Product Type: Wireless Accelerometers

Wireless Application: LoRaWAN

Frequency Band: 915 MHz

Number of Sensing Axes: Uniaxial

All LoRaWAN Wireless Vibration Sensors (12)

## **Features**

### **Product Type Features**

Product Type Features	
Accelerometer Type	Wireless
Vibration Sensor Product Type	Wireless Accelerometers
Signal Characteristics	
Frequency Band	915 MHz
Frequency Response	2 to 15000 Hz
Body Features	
Primary Product Material	316L Stainless Steel, Polymer
Product Weight	200 g[7.05 oz]
Number of Sensing Axes	Uniaxial
Usage Conditions	
Operating Temperature Range	-40 - 80 °C[-40 - 176 °F]
Industry Standards	
IP Rating	IP67
Wireless Application	LoRaWAN
Hazardous Area Approval	No
Other	

50 g

Overall Acceleration Range (±)



## **Product Compliance**

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC
Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Not reviewed for solder process capability

#### Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

# **Compatible Parts**

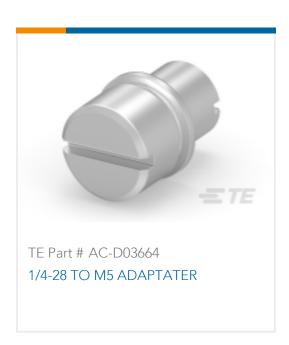












## **Documents**

## Datasheets & Catalog Pages

8911N WIRELESS VIBRATION SENSOR

English

**Product Specifications** 

**Product Specification** 

English

Agency Approvals

**CE Declaration of Conformity** 

English