



Sensors > Position Sensors > RVDT/RVIT Sensors > AC RVDT FOR HARSH ENVIRONMENTS



Position Sensor Product Type: **Rotary Variable Differential Transformer (RVDT)**

Angular Range: **-45 – 45 °**

Non-Linearity ±: **1 %**

Output Signal Type: **AC Voltage**

Operating Temperature Range: **-55 – 150 °C [-67 – 302 °F]**

[All AC RVDT FOR HARSH ENVIRONMENTS \(0\)](#)

Features

Electrical Characteristics

| | |
|----------------|--------|
| Supply Voltage | 3 Vrms |
|----------------|--------|

Configuration Features

| | |
|-----------------------|-----------------|
| Electrical Connection | 6-Pin Connector |
|-----------------------|-----------------|

Signal Characteristics

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|----------------------|--------------|
| Excitation Frequency | 2.5 – 10 kHz |
|----------------------|--------------|

Product Type Features

| | |
|------------------------------|---|
| Position Sensor Product Type | Rotary Variable Differential Transformer (RVDT) |
|------------------------------|---|

Other

| | |
|--------------------|-------------------------------|
| Angular Range | -45 – 45 ° |
| Non-Linearity ± | 1 % |
| Bearing Type | ABEC 3 Precision Ball Bearing |
| EU RoHS Compliance | Not Compliant |

Operation/Application

| | |
|--------------------|------------|
| Output Signal Type | AC Voltage |
|--------------------|------------|

Usage Conditions

| | |
|--|--|
| | |
|--|--|



| | |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55 – 150 °C[-67 – 302 °F] |
|-----------------------------|----------------------------|

Dimensions

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|------------------|------------------|
| Shaft Diameter | 4.75 mm[.187 in] |
| Product Diameter | 38.1 mm[1.5 in] |

Body Features

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|----------------|-----------------|
| Product Weight | 255 g |
| Case Material | Stainless Steel |

Mechanical Attachment

| | |
|-------------------|---------------------|
| Sensor Mount Type | Size 15 Servo Mount |
|-------------------|---------------------|

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) Not Yet Reviewed |
| 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





TE Part # 66530072-000
R-FLEX CPLG ADP RVIT/RVDT/RSYN



TE Part # CAT-RVDT0003
AC RVDT FOR HARSH ENVIRONMENTS

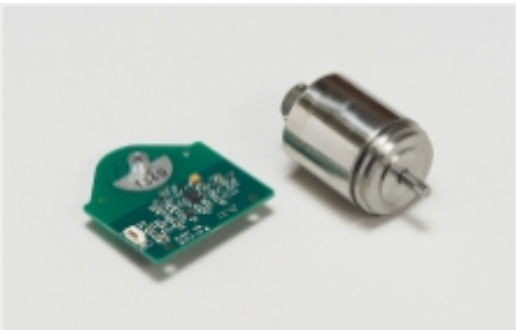


TE Part # 62101011-000
CONN BNDX PT06A-10-6S(SR)



TE Part # 10215727-00
RVDT R30A 2.5KHZ +/-30 DEG

Also in the Series | MEAS R36AS



RVDT/RVIT Sensors(5)

Customers Also Bought



TE Part #CAT-D48-ST273
DEUTSCH Solid Contacts



TE Part #DT04-2P
REC, 2P, GRY, N



TE Part #CAT-D487-W416
Wedgelocks: DEUTSCH DT



TE Part #CAT-AM71-CH8172
AMP SUPERSEAL 1.5MM, CONNECTOR HOUSING



TE Part #281934-2
SINGLE WIRE SEAL

Documents

Datasheets & Catalog Pages
AC Operated RVDT for Harsh Environments
English