

02560927-045 ✓ ACTIVE

MEAS | MEAS R36AS

TE Internal #: 02560927-045

TE Internal Description: R36AS 2.5KHZ +/- 45 DEG

AC RVDT FOR HARSH ENVIRONMENTS

[View on TE.com >](#)



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  $\pm$ : **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

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 $\pm$	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

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

## Body Features

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](http://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

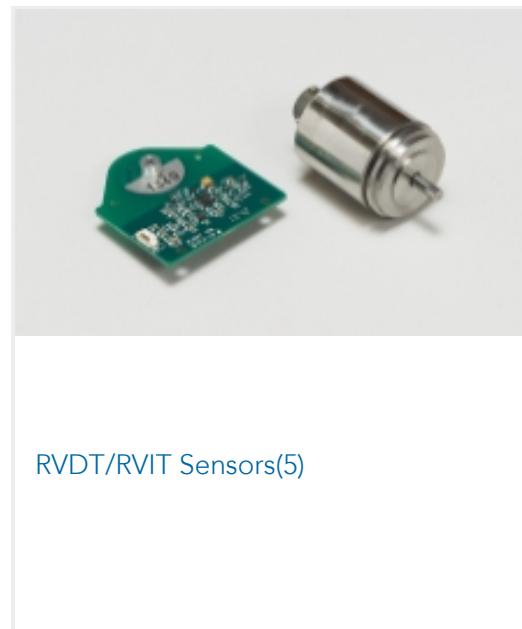


TE Part # 62101011-000  
CONN BNDX PT06A-10-6S(SR)



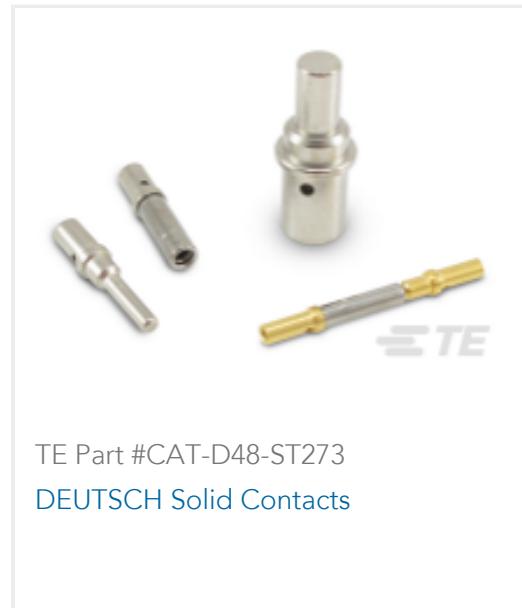
TE Part # 10215727-00  
RVDT R30A 2.5KHZ +/-30 DEG

## Also in the Series | MEAS R36AS



RVDT/RVIT Sensors(5)

## Customers Also Bought



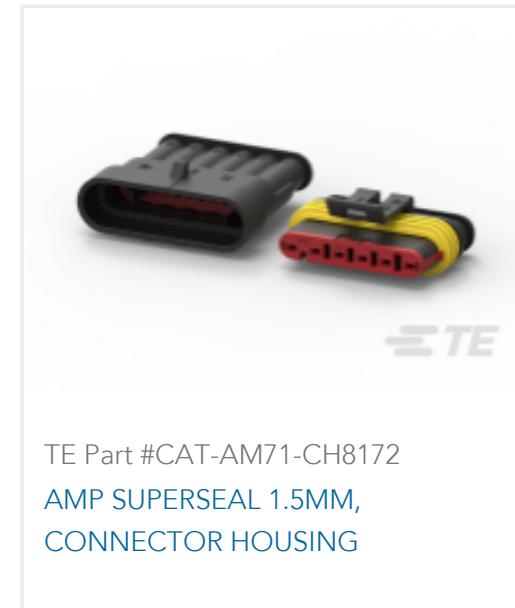
TE Part #CAT-D48-ST273  
DEUTSCH Solid Contacts



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