



Sensors > Position Sensors > RVDT/RVIT Sensors > Rotary Position Sensor RVIT, DC



Position Sensor Product Type: **Rotary Variable Inductive Transducer (RVIT)**

Angular Range: **-60 - 60 °**

Supply Voltage Range: **13.5 - 16.5 VDC**

Input Current (Max): **25 mA**

Non-Linearity ±: **.5 %**

Features

Product Type Features

Position Sensor Product Type	Rotary Variable Inductive Transducer (RVIT)
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Configuration Features

Electrical Connection	Lead Wires
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Electrical Characteristics

Supply Voltage Range	13.5 - 16.5 VDC
Input Current (Max)	25 mA

Body Features

Product Weight	34 g
Case Material	Anodized Aluminum

Mechanical Attachment

Sensor Mount Type	Size 11 Servo Mount
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Dimensions

Shaft Diameter	4.76 mm[.187 in]
Product Diameter	26.98 mm[1.062 in]

Usage Conditions

Operating Temperature Range	-25 - 85 °C[-13 - 185 °F]
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Operation/Application



Output Signal Type	±7.5 VDC
Other	
Angular Range	-60 - 60 °
Non-Linearity ±	.5 %
Bearing Type	ABEC 3 Precision Ball Bearing

Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Out of Scope
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2024 (240) 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 # 04290595-000  
CABLE ASSY GCA/HCA TO LDM-1000

TE Part # 02291339-000  
POWER SUPPLY PSD 40-15 ASSY

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

Also in the Series | MEAS R60D

RVDT/RVIT Sensors(1)

Customers Also Bought

TE Part # NB-PTCO-170  
Pt1000, 2.0x5.0, Class A, PTFD102A1A0

TE Part # 1-2157481-5  
AMPLIMITE IP67, SZ5, 109, 50 POS, RCPT

TE Part # 2157480-5  
AMPLIMITE IP67, SZ5, 109, 50 POS, IFS, PLUG

TE Part # 531759-000  
ST63-5-55-22-90

TE Part # 02560231-000  
RVDT R30A ASSY

TE Part # 5-1617758-0  
FCB-205-0224M=M83536/2-024M

TE Part # A85351-000  
D-500-0255-431

TE Part # YD8170E37-0PNC1270  
RECP ASSY

TE Part # Y65022-003V0030000  
JUNCTION ASSY

TE Part # 1795440004  
D-181-2222-90/9CS1270



Documents

Datasheets & Catalog Pages

DC Operated Rotary Variable Inductance Transducer

English