

4115K-03A (4115K-06A) PCB传感器

产品名称	4115K-03A (4115K-06A) PCB传感器
公司名称	上海持承自动化设备有限公司
价格	500.00/个
规格参数	PCB:200 in-lb 4115K:2.5 mV/V 美国:U.S.A
公司地址	上海市金山区吕巷镇干巷荣昌路318号3幢1018室
联系电话	021-59112701 13671506557

产品详情

Model: 4115K-03A

PCB L&T Torque Sensor, Rotary Transformer, 200 in-lb Capacity FS, Flanges and Splines per AND10262 & AND20002

Speed sensor sold separately.

Measurement Range: 200 in-lb (23 Nm)

Sensitivity: (± 15%) 2.5 mV/V (2.5 mV/V)

Non-Linearity: <=0.05 % FS

Mounting: Flange w/ Splined Shaft

Maximum Speed: 15000 RPM

English:SI: PERFORMANCEMeasurement Range (Full Scale Capacity)200 in-lb23 Nm[1] Sensitivity (± 15 %) (output at rated capacity)2.5 mV/V2.5 mV/V[1][2] Non-Linearity 0.05 % FS 0.05 % FS[2] Hysteresis 0.05 % FS 0.05 % FS[2] Non-Repeatability 0.03 % FS 0.03 % FS[2] ENVIRONMENTALOverload Limit600 in-lb68 NmTemperature Range (Operating)-65 to 285 ° F-54 to 141 ° CTemperature Range (Compensated)+70 to +170 ° F+21 to 77 ° CTemperature Effect on Output (Maximum) ± 0.002 %Reading/ ° F ± 0.0036 %Reading/ ° C[3] Temperature Effect on Zero Balance (Maximum) ± 0.002 %FS/ ° F ± 0.0036 %FS/ ° C[2][3] ELECTRICALBridge Resistance350 Ohm350 Ohm[1] Excitation Frequency3.28 kHz3.28 kHzExcitation Voltage2 to 10 VAC rms2 to 10 VAC rms[4] Insulation Resistance>5000000 kohm>5000000 kohmZero Balance 2 % FS 2 % FS[2] Bridge Current (at 5 VAC)50 mA50 mAPHYSICALSize - Shaft

Length9.56 in242.82 mmSize - Housing Length8.25 in209.55 mmSize - Housing Height6.00 in152.40 mmWeight47 lb21.3 kgMountingFlange w/ Splined ShaftFlange w/ Splined Shaft[5] Sensing ElementStrain GageStrain GageHousing MaterialBlack Oxided SteelBlack Oxided SteelShaft MaterialSteelSteelElectrical ConnectorMS3102A-14S-5PMS3102A-14S-5PTorsional Stiffness33000 in-lb/radian3700 N-m/radianRotating Inertia0.0050 in-lb sec20.0006 N-m sec2Maximum Speed15000 RPM15000 RPM

All specifications are at room temperature unless otherwise specified.

Product Notes

[1] Nominal.[2] FS - Full Scale.[3] Over compensated operating temperature range.[4] Recommended 10 VAC RMS.[5] Mounting per AND10262 and AND20002.[6] See PCB Declaration of Conformance PS062 for details.

Accessories:

Supplied180-019A5-socket mating connector for Series 3100, 4100, 4200 torque sensors(1)8113-105ARelay activated precision shunt calibration module(1)

Model: 4115K-06AEnglish:SI: PERFORMANCEMeasurement Range (Full Scale Capacity)1000 in-lb115 Nm[1] Sensitivity (± 15 %) (output at rated capacity)2.5 mV/V2.5 mV/V[1][2] Non-Linearity 0.05 % FS 0.05 % FS[2] Hysteresis 0.05 % FS 0.05 % FS[2] Non-Repeatability 0.03 % FS 0.03 % FS[2] ENVIRONMENTALOverload Limit3000 in-lb340 NmTemperature Range (Operating)-65 to 225 ° F-54 to 107 ° CTemperature Range (Compensated)+70 to +170 ° F+21 to 77 ° CTemperature Effect on Output (Maximum) ± 0.002 %Reading/ ° F ± 0.0036 %Reading/ ° C[3] Temperature Effect on Zero Balance (Maximum) ± 0.002 %FS/ ° F ± 0.0036 %FS/ ° C[2][3] ELECTRICALBridge Resistance350 Ohm350 Ohm[1] Excitation Frequency3.28 kHz3.28 kHzExcitation Voltage2 to 10 VAC rms2 to 10 VAC rms[4] Insulation Resistance>5000000 kohm>5000000 kohmZero Balance 2 % FS 2 % FS[2] Bridge Current (at 5 VAC)50 mA50 mAPHYSICALSize - Shaft Length9.56 in242.82 mmSize - Housing Length8.25 in209.55 mmSize - Housing Height6.00 in152.40 mmWeight47 lb21.3 kgMountingFlange w/ Splined ShaftFlange w/ Splined Shaft[5] Sensing ElementStrain GageStrain GageHousing MaterialBlack Oxided SteelBlack Oxided SteelShaft MaterialSteelSteelElectrical ConnectorMS3102A-14S-5PMS3102A-14S-5PTorsional Stiffness204000 in-lb/radian23000 N-m/radianRotating Inertia0.0052 in-lb sec20.0006 N-m sec2Maximum Speed15000 RPM15000 RPM

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Optional Versions:

No optional versions