

GEAR WHEEL ENCODER SIZAG 2 REPLACEMENT 1V SINUS SAMPLER MODULE M = 0.5

product brand name	SIZAG 2
Design of the interface	kein Wert
Measuring procedure / for position feedback	kein Wert
Operating voltage / of the rotary encoder / at DC	kein Wert
Operating voltage / of the rotary encoder / at DC	kein Wert ... kein Wert
Relative symmetrical tolerance / of the operating voltage / of the rotary encoder / at DC	kein Wert
Limit frequency (-3 dB)	kein Wert
Limit frequency (-6 dB)	kein Wert
Scanning frequency	kein Wert ... kein Wert
Scanning frequency / maximum	kein Wert
Consumed current / without load / maximum	kein Wert; kein Wert
Standard for interfaces	kein Wert
Property of the output / Short-circuit proof against 0 V	kein Wert
Pulse duration / at 1 m connecting cable / with recommended input circuit / maximum / Note	kein Wert
Pulse duration / at 1 m connecting cable / with recommended input circuit / maximum	kein Wert
Phase displacement angle / between signal A and signal B	kein Wert
Symmetrical tolerance of the phase displacement angle / between signal A and signal B	kein Wert
Edge interval / between signal A and signal B • with scanning frequency 1 MHz / minimum • with scanning frequency 300 kHz / minimum • with scanning frequency 160 kHz / minimum	kein Wert; kein Wert kein Wert kein Wert; kein Wert
Cable length • maximum • at 0 Hz ... 500 kHz / maximum • at 0 Hz ... 1 MHz / maximum	kein Wert kein Wert kein Wert
Failure monitoring type / for LED	kein Wert
Incremental resolution • per revolution / maximum • for track 1 / per revolution / maximum • for track 2 / per revolution / maximum	kein Wert kein Wert kein Wert
Measurement deviation angle of rotation / of the incremental encoder	kein Wert

• for track 1	kein Wert
• for track 2	kein Wert
Speed	
• with electrical rotation transmission / maximum	kein Wert
• for track 1 / with electrical rotation transmission / maximum	kein Wert
• for track 2 / with electrical rotation transmission / maximum	kein Wert
• maximum	kein Wert
Friction torque / at 20 °C / maximum	kein Wert
Starting torque / at 20 °C / maximum	kein Wert
Axial force / at shaft	
• with $n \leq 6000$ rpm / maximum	kein Wert
• with $n > 6000$ rpm / maximum	kein Wert
Cantilever force / at shaft extension	
• with $n \leq 6000$ rpm / maximum	kein Wert
• with $n > 6000$ rpm / maximum	kein Wert
Outer diameter / of rotary encoder shaft	kein Wert
Length / of rotary encoder shaft	kein Wert
Angular acceleration / maximum	kein Wert
Moment of inertia / of rotor	kein Wert
Vibrational acceleration / at 55 Hz ... 2 kHz / acc. to IEC 60068-2-6	kein Wert
Shock acceleration	
• limited to 2 ms / acc. to IEC 60068-2-27	kein Wert
• limited to 6 ms / acc. to IEC 60068-2-27	kein Wert
Protection class IP	
• without shaft input	kein Wert
• with shaft input	kein Wert
Ambient temperature	
• with supply voltage 5 V $\pm$ 10% / with installed cable / during operation	kein Wert ... kein Wert
• with supply voltage 10 V ... 30 V / with installed cable / during operation	kein Wert ... kein Wert
• with supply voltage 5 V $\pm$ 10% / with moving cable / during operation	kein Wert ... kein Wert
• with supply voltage 10 V ... 30 V / with moving cable / during operation	kein Wert ... kein Wert
Net weight	kein Wert
EMI immunity	kein Wert
Certificate of suitability	kein Wert
Flange type	kein Wert
Direction of connection opening	kein Wert

Type of electrical connection

kein Wert

Further information

Information und Download Center

https://www.automation.siemens.com/mcms/infocenter/content/en/Pages/order_form.aspx

Technical documentation

<http://w3.siemens.com/mcms/mc-solutions/en/motion-control/support/technical-documentation/Pages/technical-documentation.aspx>

Industry Mall

<https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/6FX20018BA05/all>

Industry Online Support

<http://support.automation.siemens.com/WW/view/en/6FX20018BA05/all>

last modified:

17.07.2015