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system

LA11 ABSOLUTE MAGNETIC ENCODER SYSTEM

PHOTO TECHNICAL DRAWING VIDEO DOWNLOAD

CONTACT FOR QUOTE

NNF

VXPBMVHCI1HYNNVBHV0ZS1LBMNVZGVY

Y/)



(https://www.rls.si/media/catalog/product/cache/3/image /9df78eab33525d08d6e5fb8d27136e95 /l/a/la11_absolute_magnetic_encoder.jpeg)



(https://www.rls.si/media/catalog/product/cache

/3/image/9df78eab33525d08d6e5fb8d27136e95 /l/a/la11_absolute_magnetic_encoder.jpeg)

PRODUCT DESCRIPTION

SYSTEM DATA

ELECTRICAL DATA

MECHANICAL DATA

ENVIRONMENTAL

All output types

Incremental pole length WEBSITE COOKIES

2 mm

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website Read more ... ±40 µm/m (http://www.optiweb.com/razlaga-

pshortkrange acquiracy ang eng) ±10 µm/10 mm

FEATURES

- True absolute system
- Suitable for highly dynamic control loops
- Small footprint
- High accuracy
- Resolutions up to 0.244 μm
- Axis lengths up to 16.3 m
- Speeds up to 7 m/s at 0.977 μm resolution
- Integral status LED
- Synchronous (SSI, SPI, BiSS) communication protocols available
- Parallel incremental output (analogue or digital)
- Double shielded, drag-chain compatible cable
- Simple and fast installation
- Robust measuring principle
- Excellent degree of protection to IP68

BUY PRODUCTS BY CHOOSING THE

SPECIFICATIONS

CONFIGURE READHEAD

Communication Interface

DA - BISS-C, RS422 + Analogue sinusoidal

DC - BiSS-C, RS422

DI - BISS-C + Incremental (both RS422)

SB - Synchronous serial interface (SSI), RS422 + Analogue sinusoidal

SC - Synchronous serial interface (SSI), RS422

SI - Synchronous serial interface (SSI) + Incremental (both RS422)

SP - SPI slave

SQ - SPI slave + Incremental (RS422)

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SR - SPI slave + Analogue sinusoidal

Communication Interface Variant

Hysteresis Repeatability

Unit of resolution

< 2 µm at 0.1 mm ride height

Maximum speed for parallel incremental signals

										A - Position with general and detailed
Ordering	Resolution	•	Maximum speed						status	
code	(µm)	factor	(m/s)						B - Position with general status	
13B	~0.244	8,192	1.82	0.91	0.23	0.11	0.06	0.03	0.02	C ⁰ -Position only
12B	~0.488	4,096	3.65	1.82	0.46	0.23	0.12	0.06	0.05	D-92os Nt Mon only - Gray code
11B	~0.976	2,048	7	3.65	0.91	0.46	0.24	0.12	0.10	0.05 0.02
2D0	1	2,000	7	3.73	0.93	0.47		0.12		odution.02
10B	~1.953	1,024	7	7	1.82	0.91	0.48	0.24		13β ₀ (approx. 0.244 μm)
09B	~3.906	512	7	7	3.65	1.82	0.95	0.49	0.38	12B - (approx. 0.488 μm) 0.19
08B	~7.812	256	7	7	7	3.65	1.90	0.97	0.77	11B - (approx. 0.977 μm) 0.39
07B	15.625	128	7	7	7	7	3.81	1.94	1.53	· ·
06B	31.25	64	7	7	7	7	7	3.89	3.07	0985 (approx. 3.90 µm)
05B	62.5	32	7	7	7	7	7	7	6.14	08B ⁰ (áþþórox. 7.81 μm)
04B	125	16	7	7	7	7	7	7	7	08.89 (approx.15.62 μm)
Edge separation (μs)			0.07	0.12	0.50	1	2	4	5	0გB - (გგprox. 31.25 µm)
Minimum count frequency (MHz)			15	8	2	1	0.5	0.25	0.2	05B - (approx. 62.50 μm)
Ordering code			K	A	В	С	D	E	F	04B - (approx. 125 μm) G

Interface



E201 USB encoder interface (JavaScript:newPopup /eng/e201-usb-encoder-interface-123#ow_related');)

Accessories

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Minimum Edge Separation

K - 0.07 µs (15 MHz)

A - 0.12 μs (8 MHz)

B - 0.5 μs (2 MHz)

C - 1 µs (1 MHz)

D - 2 µs (0.5 MHz)

 $E - 4 \mu s (0.25 MHz)$

F - 5 µs (0.2 MHz)

G - 10 μ s (0.1 MHz)

H - 20 µs (0.05 MHz)

Power Supply

A - 5 V

B - From 8 to 30 V

Cable Length

10D - 1.0 meter (standard)

Connector Option

D - 15 pin D type plug

F - Flying lead (no connector)

K - Siemens 6FX2003-0SA17



Accessories for MS Track System





system-



TRS200A00 /eng/trs-tracksystem-



TRE004A00 (JavaScript:newPopup (JavaScript:newPopup (JavaScript:newPopup /eng/scale-endclamptrs100a00#ow_relatec trs200a00#ow_relatec tre004a00#ow_relatec



Joining element TRE004A01 /eng/joining-

tre004a01#ow_relate

element-



Screw and Washer TRC00 (JavaScript:newPopup (JavaScript:newPopup /eng/trc00#ow_relate

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Special Requirements

00 - None (standard)

Product part number:

LA11SIC04BCB10DF00

Product unit price: \$384.15

SELECT ACTUATOR

AS10 - Magnetic scale

AS10 - Magnetic scale for Track system

- »Accessories required«

CONFIGURE TRACK

Precision class

A - N/A

Scale length

2000 - Length in mm (more than 1 m) 1000 - Length in mm (less than 1 m)

Options

Special Requirements

Product part number: AS10A

Product unit price: \$0

Please be informed that RLS offices will be closed on Thursday, the 31st of October and

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Absolute linear magnetic encoder | LA11- www.rls.si

Friday, the 1st of November 2019 due to National holidays and will reopen on **Monday, the 4th of November 2019**.

LEAD TIME UP TO: 20 working days

TOTAL PRICE:

\$384.15

QUANTITY:



More than 10 pcs or need technical assistance? Contact for quote.

ADD TO CART

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We design, produce and supply advanced rotary and linear motion sensors to meet growing global market demands. Our experience and knowledge combined with innovative ideas enable us to offer custom product solutions to match customer's needs.

Support

Frequently Asked

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Payment methods

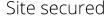














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