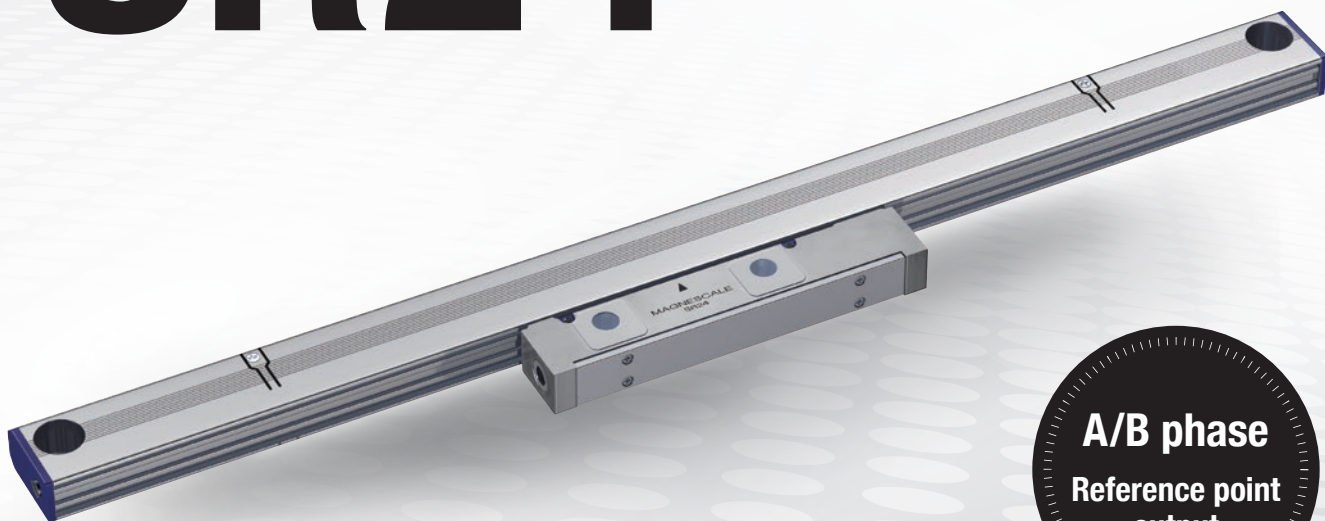


Magnescale

SPEED X PRECISION

Incremental Magnescale
Slim type

SR24



A/B phase
Reference point
output

**Slim profile allows
for installation in tight areas.
Heavy duty low-profile design**

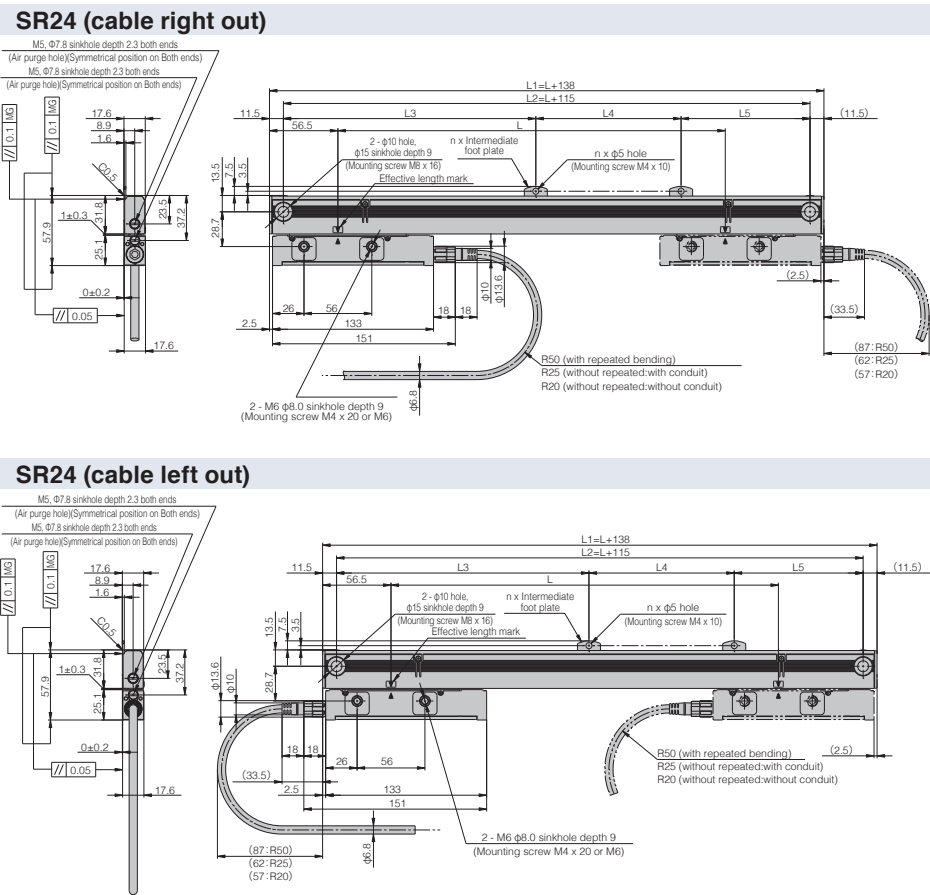
**Magnetic detection technology
and shielded construction
allow for use in the harshest
environments such as oil, dirt
and condensation.**

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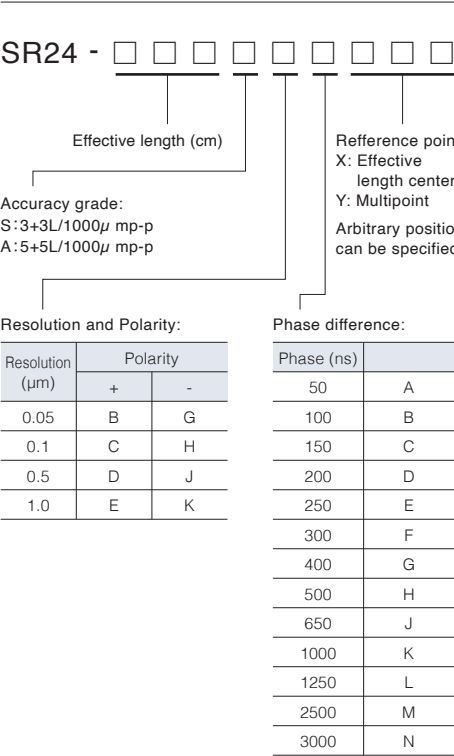
Specifications

Model name	SR24
Effective length (L)	70 to 2,040 mm
Thermal expansion	12±1 × 10 ⁻⁶ / °C
Output signal	A/B/Reference line driver signal, compliant with EIA-422
Minimum phase difference time	Selectable from 50/100/150/200/250/300/400/500/650/1000/1250/2500/3000 ns (Set at time of order)
Accuracy (at 20°C)	(3+3L/1,000) μm p-p or (5+5L/1,000) μm p-p L:Measuring length (mm)
Resolution	Selectable from 0.05/0.1/0.5/1 μm (Set at factory shipping)
Reference point position	Center point, Multi-point (40 mm pitch), User-selected point (1 mm pitch)
Power supply voltage	DC 4.75 to 5.25 V (At cable connection end)
Consumption current	250 mA (with 5 V controller connection)
Inrush current	2A or less (When the power supply rise time is 10 ms)
Maximum response speed	50 m/min (Resolution: 0.1 μm, Minimum phase difference: at 50 ns)
Vibration resistance	150 m/s ² (50 Hz to 3,000 Hz)
Impact resistance	350 m/s ² (11 ms)
Protective design grade	IP54 (Air purge not included), IP65 (Air purge included)
Power supply protection	In the case of errors such as a reverse-connected power supply or over-voltage, the internal fuse is cut to protect the power being supplied and wiring.
Product Safety	FCC Part15 Subpart B Class A ICES-003 Class A Digital Device EN/BS 61000-6-2, EN/BS 61000-6-4
Product Environment	EN/BS 63000
Operating temperature	0 to +50 °C
Storage temperature	-20 to +55 °C
Mass	Approx. 0.39 kg + 1.53 kg/m or less
Slider sliding resistance	1 N or less
Compatible cables(types without relay connectors)	CH23-***NV
Maximum cable length	13 m
Compatible cables(types with relay connectors)	CH23-***NVU + CH23-***NPZW
Maximum cable length	30 m

Dimensions



Model name



⚠ To use this product safely, please read the instruction manual carefully and thoroughly prior to usage. •Magnescale reserves the right to change products and specifications without prior notice.

Magnescale Co., Ltd.

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