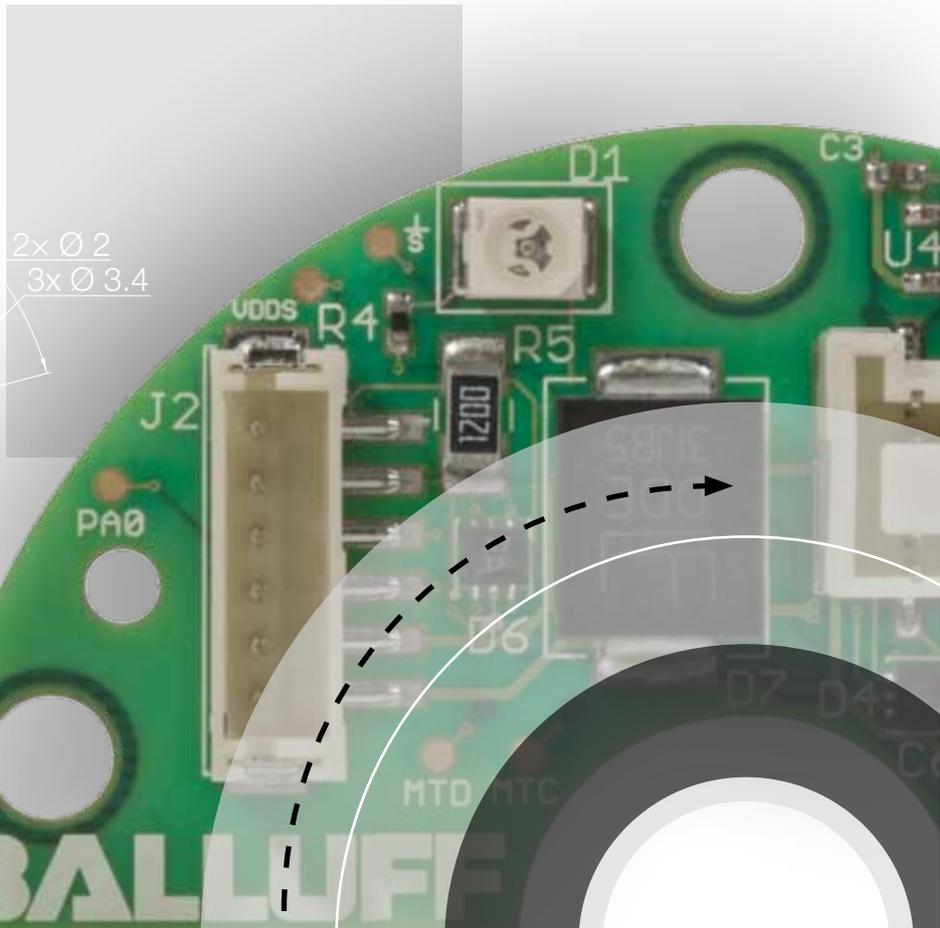
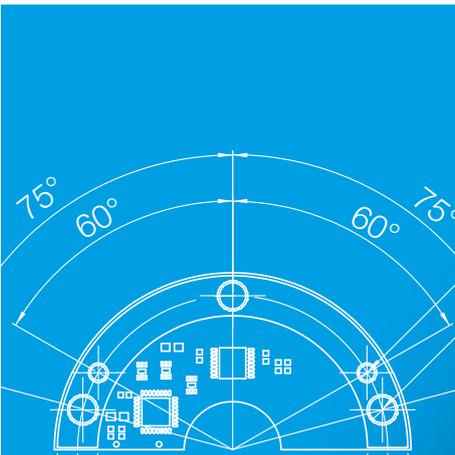
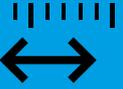


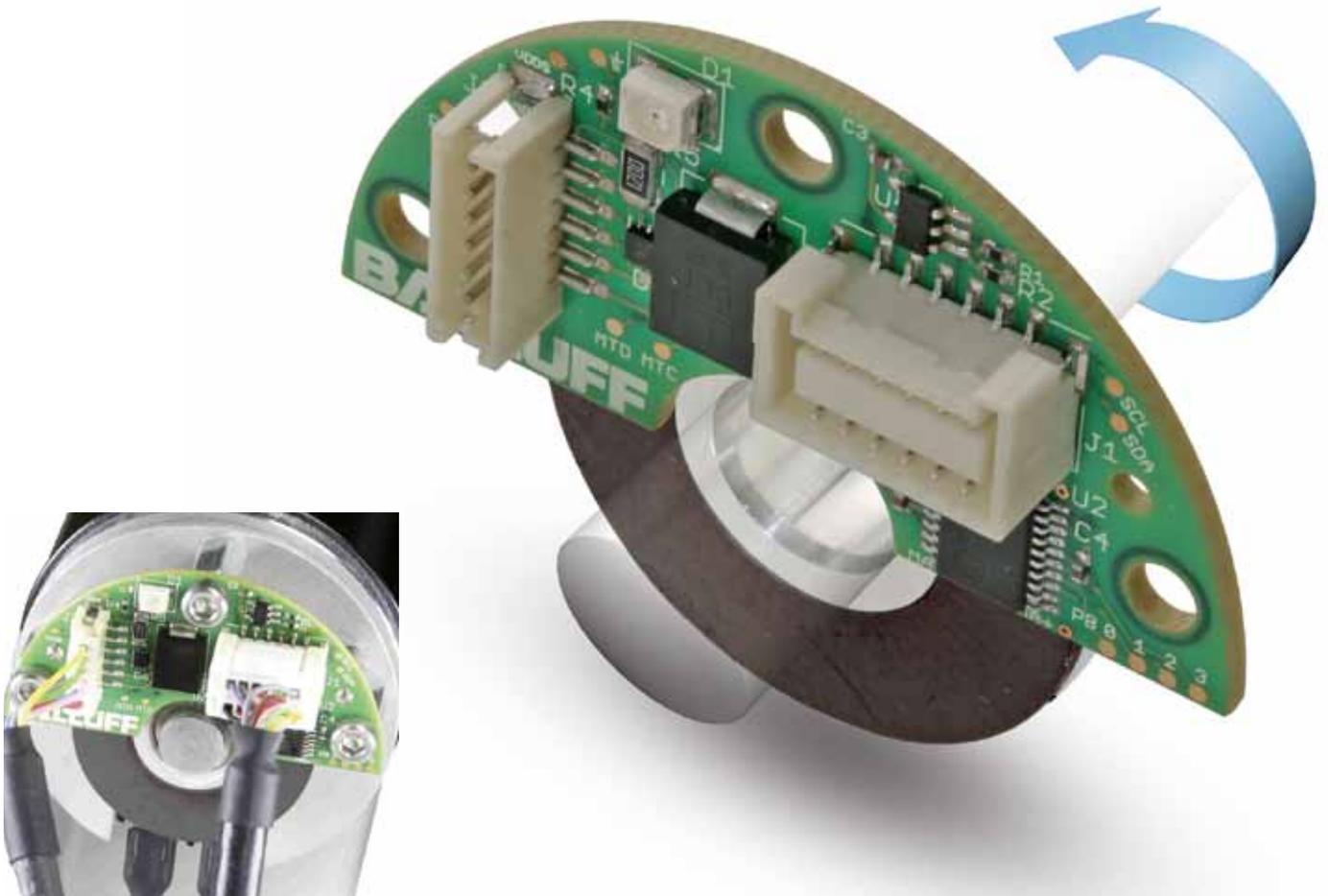
Motor Feedback Evaluation Kit

Absolute, innovative and flexible integration



Motor Feedback Evaluation Kit

Absolute, innovative and flexible integration



The Motor Feedback Evaluation Kit – The alternative to conventional magnetic solutions. Optimum precision control for small motors and drives.

Absolute and innovative – The integrated solid-state magnetic feedback system for small motors and drives.

This system offers:

- High system accuracy
- Energy savings through high signal quality and minimal motor loss
- Absolute position sensing for single-turn applications
- Also suitable for highly dynamic applications (higher resolution and rotational speed)
- Integrates perfectly

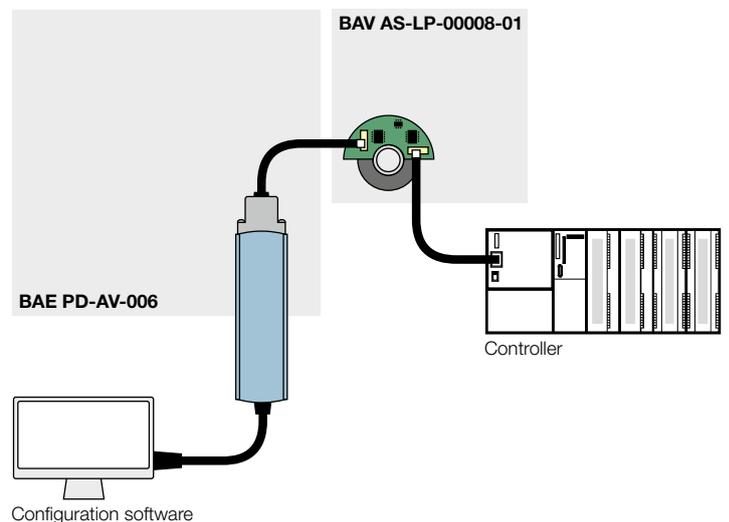
Properties

- Magnetically coded absolute disk (nonius)
- Absolute SSI or BISS interface
- Incremental SinCos or ABZ interface
- Resolution up to 17-bit
- Rotational speed 12,000 rpm
- System accuracy < 0.2°

The Evaluation Kit is an all-in-one product offering various interface choices for test environments. Electronics and geometry composed of PCBA can be modified for series production.

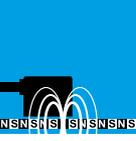
The following interfaces are available:

- BISS-C
- SSI
- SinCos
- ABZ



Motor Feedback Evaluation Kit

Absolute, innovative and flexible integration



Order:

Package 1
BAV AS-LP-00008-01

Included:

- Absolute disk
- Electronic processor unit
- Cable set for electronics and controller

Package 2
BAE PD-AV-006

Included:

- PC adapter
- Cable set for adapter and PC

Absolute disk with perpendicular magnetization

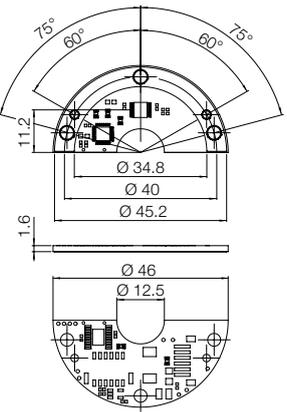
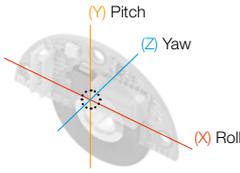
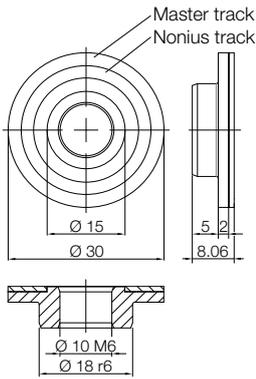


Coding	2-track nonius
Air gap	0.3 ±0.2 mm
System accuracy with iC-MU	< ±0.2° absolute (error per rotation)
Operating temperature	-40...+85 °C
Pole width (master/nonius track)	1.28 mm/0.96 mm
Number of pole pairs (master/nonius track)	32/31
Base body/tape material	Aluminum/rubber ferrite

Electronic processor unit



Dimensions	24.2×12.1×1.6 mm	
Air gap	Z	-0.2...+0.6 mm
(sensor/	Y	-0.5...+0.5 mm
tape)	X	-0.5...+0.5 mm
Angular deviation	Yaw	< ±5°
(sensor/tape)	Pitch	< ±4.5°
	Roll	< ±4.5°
Mounting holes	2× Ø 2 mm, 3× Ø 3.4 mm	



Configuration software



Processor unit



BALLUFF

sensors worldwide



Systems and Service



Industrial Networking and Connectivity



Industrial Identification



Object Detection



Linear Position Sensing and Measurement



Condition Monitoring and Fluid Sensors



Accessories

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