

For universal use – connects directly and simply to the drive system

MAGNETIC ENCODER WITH DRIVE-CLIQ INTERFACE

The BML SGA absolute magnetic encoder stands out in applications where absolute accuracy of position and end-of-travel is required. And since leaving and returning to the detection range of the magnetic tape is permitted, it provides a simple and economical solution for demanding applications in the fields of automation and machine tool building. The system is also simple to retrofit.

With its Drive-Cliq interface, the system can be perfectly integrated into Siemens controller environments. Siemens has certified the system accordingly. Plug-and-play installation makes incorporating it into the drive system easy. The controller automatically detects the sensor and its basic settings.

The system continuously checks the measurement quality, so that any mechanical position shift during operation is directly detected. Its automatic status monitoring detects signal quality. The function reserve can be evaluated in the controller.

Features

- Reliable: non-contact and wear-free measuring principle
- Universal: measuring lengths up to 48 m, high system accuracy to $\pm 12 \mu\text{m}$
- Time-saving: high read distance up to 1.3 mm makes installation easier
- Convenient: Status LED and diagnostics functions for reliable operation and quicker maintenance
- Easy to integrate: space-saving, compact form factor



ABSOLUTE
LINEAR MAGNETIC
ENCODER SYSTEM



	BML085L	BML08MH
Interface	Drive-Cliq	Drive-Cliq
Additional features		Temperature sensor input, PT1000
Resolution	1 µm	1 µm
Measuring range max.	48 m	48 m
IP rating	IP67	IP67
Ambient temperature	-30...+70 °C	-30...+70 °C
Approval/conformity	CE, cURus, EAC	CE, cURus, EAC
Housing material	Die-cast zinc, stainless steel	Die-cast zinc, stainless steel
Connection	M12-male 8-pin	M12-male, 12-pin

ACCESSORIES



	BML04P4	BAM02YC	BAM01N4	BAM021H
Description	Magnetic tape	Mounting kit	Guide rail	Sliding carriage
Length	1 m*		3 m*	

* Configurable during order process

CONNECTIVITY



	BCC0L3W	BCC0L3Y
Cable	PUR black, 5 m, drag chain compatible	PUR black, 10 m, drag chain compatible
For connection 1	M12 female, straight, 8-pole	M12 female, straight, 8-pole
For connection 2	RJ45	RJ45