



Safe Interlocking

Safety locking function with standstill monitoring for maximum productivity

SICK
Sensor Intelligence.



Technical data overview

Safety task	Access protection
Application	Movement monitoring
Safety level	PL d

Product description

Safe Interlocking is the safety locking solution with standstill monitoring – designed for applications with high requirements when it comes to safeguarding processes and people. The safe standstill monitoring function only unlocks the locking device when the system has come to a standstill. Thanks to SOS (safe operating stop), the drive does not need to be disconnected from the power supply. Safe Interlocking saves valuable space and ensures maximum productivity: no unnecessary downtimes, while ensuring safe, cost-effective, and standard-compliant operation of the system. The “safe monitoring of machine speed” function can be used when carrying out maintenance. Proven safety components from SICK increase availability and avoid follow-up costs.

At a glance

- Process-optimized safety door monitoring
- Safe monitoring of machine speed
- Easy configuration with function blocks
- Available as a complete package or with components that can be selected individually
- Integration into all common fieldbuses (optional)
- Monitoring when door opens with SOS

Your benefits

- Safeguarding of processes and people in a single solution to ensure maximum productivity
- Easy integration into existing systems
- Easy-to-expand solution (e.g., for several safety doors)
- Extremely reliable safety components from SICK
- Fewer downtimes due to safe monitoring of machine speed
- Standstill monitoring using safety encoders satisfies all common standard requirements
- Can also be used for maintenance work thanks to the reliable detection of the rotation speed
- Safe speed and standstill monitoring with the aid of SOS optimizes process safeguarding

Fields of application

- Protection of machines with rollers or feed devices, e.g., punching machines with coil feed

Ordering information

Other models and accessories → www.sick.com/Safe_Interlocking

Encoder: mechanical design	Encoder shaft: diameter	Encoder shaft: length	Type	Part no.
-	-	-	SAPPB0D-07A0031	1087491
Solid shaft, Servo flange	6 mm	10 mm	SAPPB0D-07A0010	1087157
Solid shaft, face mount flange	10 mm	19 mm	SAPPB0D-07A0011	1087158
Blind hollow shaft with feather key groove	10 mm	-	SAPPB0D-07A0009	1087156
	12 mm	-	SAPPB0D-07A0016	1087164
	14 mm	-	SAPPB0D-07A0017	1087165
Solid shaft with key, Servo flange	6 mm	10 mm	SAPPB0D-07A0012	1087159
Solid shaft with key, face mount flange	10 mm	19 mm	SAPPB0D-07A0008	1087151
Through hollow shaft with feather key groove	10 mm	-	SAPPB0D-07A0013	1087160
	12 mm	-	SAPPB0D-07A0014	1087161
	14 mm	-	SAPPB0D-07A0015	1087162
	5/8"	-	SAPPB0D-07A0018	1087166

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

WORLDWIDE PRESENCE:

Contacts and other locations –www.sick.com