

SIEMENS



SIRIUS detection devices

No scope for manipulation

SIRIUS 3SE63: the non-contact RFID safety switch for reliable protective door monitoring

The increasingly stringent safety regulations we encounter today demand tamper-proof occupational safety protection: hazardous machine movements need to be stopped reliably when a protective door is opened – without having to bypass or manipulate the protective equipment. A long service life also has to be ensured for safety switches used for protective doors that are difficult to adjust or that open and close frequently. The answer to these requirements is the new SIRIUS 3SE63 safety switch.

If you use the SIRIUS 3SE63 safety switch you can rely on increased protection against interference and manipulation for the electronic monitoring of protective doors and flaps. The non-contact safety switch is based on RFID transponder technology which improves the safety level and functionality significantly.

Increased safety

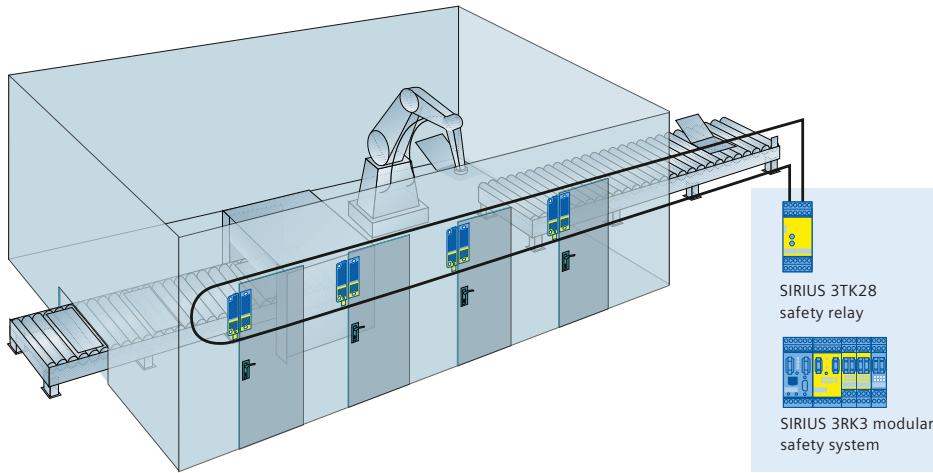
SIRIUS 3SE63 satisfies the highest safety standards for maximum machine safety. In conjunction with Safety Integrated, this switch provides you with a further important component for safety-related applications.

Easy installation and maintenance

The 3SE63 safety switch can be mounted easily and flexibly on any side of protective doors using universal mounting holes. Thanks to its greater switching displacement it requires only minimum maintenance and is quick to adjust.

[siemens.com/sirius-detecting](https://www.siemens.com/sirius-detecting)

Series connection of protective doors at the highest safety level



Several RFID switches can be connected jointly in the same safety circuit as they feature integrated cross-circuit, open-circuit and external voltage monitoring functions. They can be monitored by any evaluation unit, e.g. a PLC, a SIRIUS 3TK28 safety relay or the SIRIUS 3RK3 modular safety system.



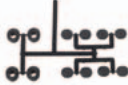


Increased safety

- **High protection against interference and manipulation** – thanks to various coding versions
- **Highest safety level** – as it is compatible with safety evaluation units and suitable for series connection of several devices
- **Low investment costs** – only 1 switch required for safety applications up to Performance Level e acc. to EN 13849-1 and SIL 3 acc. to IEC 61508/62061
- **Long service life** – wear-free switching thanks to non-contact operation based on RFID technology
- **Increased plant availability** – through comprehensive diagnostics functions
- **Rugged and resistant to cleaning agents** – with high degree of protection up to IP69

Easy installation and maintenance

- **Flexible and cost-effective** – can be mounted on any side of the door using universal mounting holes; can be used as an end stop on small to medium-sized doors
- **Low-maintenance and easy to adjust** – as it has a greater switching displacement than mechanical switches and limit range detection via LED display on the switch; resulting in improved mounting and sagging tolerance
- **Easy to replace** – thanks to standard gauge and drill holes (as with SIRIUS 3SE66/67 magnetically-operated switch)
- **Optional magnetic latching (18 N)** – holds doors and flaps in place and thus prevents undesired opening

RFID safety switches: coding type and design			Order No.	RFID actuators		Order No.	
	Family-coded	M12 connector 8-pin	3SE6315-0BB01		Standard	3SE6310-0BC01	
		M12 connector 8-pin with magn. latching 18 N	3SE6315-1BB01		With magnetic latching 18 N	3SE6310-1BC01	
	Individually coded – multiple teach-in capability	M12 connector 8-pin	3SE6315-0BB02		Optional accessories		
		M12 connector 8-pin with magn. latching 18 N	3SE6315-1BB02				
	Individually coded – single teach-in capability	M12 connector 8-pin	3SE6315-0BB03		Covers and spacers/pack	3SX5600-1G	
		M12 connector 8-pin with magn. latching 18 N	3SE6315-1BB03				

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