

MIRO SAFE+



stay connected



Safety technology is a major topic in machine building and plant engineering. Optimum protection for man and machine is important. Murrelektronik's MIRO SAFE+ safety relays are the right solution to achieve safety standards up to PLE according to EN 13849-1.

With MIRO SAFE+ you can create safety solutions for:

- Emergency Stop Monitoring
- Guard Door Monitoring
- Light Barrier Monitoring
- Two-Hand Controls
- Pressure Sensitive Mats Monitoring
- Safety Magnet Switch Monitoring

MIRO SAFE+ Switch H L 24 - The universal solution

This module is designed for emergency stop, guard door, light curtain and magnetic switch applications. It has three N/O and one N/C contacts and can be used either with or without start-button monitoring.

MIRO SAFE+ Switch H 48-230 – The universal module with wide voltage input

Used in applications with 48 - 230V AC for emergency stop applications and guard door monitoring. It can be used both with and without start-button monitoring.

MIRO SAFE+ T 1 24 – The time manager

This relay is the ideal solution for applications that require both instantaneous and delayed contacts. It allows you to individually adjust delays of up to 30 seconds.

MIRO SAFE+ Switch ECOA 24 – The cost-effective solution

This relay can be used in guard doors, emergency stop and light curtain applications. It is an ideal solution for applications that do not require a monitored start button.

FEATURES

- IP40 housing
- Label plates for easy identification
- LED status indicator on the front
- Disconnectable cross-circuit fault detection
- Convenient connection with spring clamp terminals
- Wide voltage input (-15% /+20%) at 24V DC

Related MURRELEKTRONIK Products

E Stops



Modlight



Comlight56






Modlink



Mico Pro



TECHNICAL SPECS

IP40 Housing	MIRO SAFE+ Switch ECO A 24	MIRO SAFE+ Switch BA L 24	MIRO SAFE+ Switch BCS L 24	MIRO SAFE+ Switch H L 24	MIRO SAFE+ Switch H 48-230
					
Art. No.	3000-33113-3020005	3000-33113-3020025	3000-33113-3020020	3000-33113-3020012	3000-33113-1020012
Applications	Guard Door Monitoring Light Barrier Monitoring	E Stop Monitoring Safety Magnet Switch Monitoring			Guard Door Monitoring E Stop Monitoring
Features					
Supply Voltage	24 V AC/DC				48 - 240V AC
Contacts (N/O)	2	3			
Potential-free Signal Outputs (N/C)		1			
Solid State Signal Outputs	1				
Automatic reset/start	x	x		x	x
Manual reset/start	x	x		x	x
Manually monitored reset/start			x	x	x
Cross-circuit fault detection		x*	x*	x*	x
PL acc. to EN ISO 13849-1	up to PLe				
Screw Terminals	x	x	x		
Spring Clamp Terminals				x	x
Housing Width	22.5mm				
IP40 Housing	MIRO SAFE+ Hand 24	MIRO SAFE+ E 24	MIRO SAFE+ T 1 24	MIRO SAFE+ T 2 24	MIRO SAFE+ Step 24
					
Art. No.	3000-33113-3020030	3000-33113-3020075	3000-33113-3020065	3000-33113-3020060	3000-33113-3020050
Applications	Two-Hand Control Monitoring	Extension Module	Guard Door Monitoring E Stop Monitoring Light Barrier Monitoring Safety Magnet Switch Monitoring		Guard Door Monitoring Pressure Sensitive Mat Monitoring
Features					
Supply Voltage	24V DC	24V AC/DC			
Contacts (N/O)	2	4	2	3	
Potential-free Signal Outputs (N/C)	1	2		1	
Solid State Signal Outputs			1	3	
Time Delayed Contacts			1	2	
Automatic reset/start			x	x	x
Manual reset/start			x	x	x
Manually monitored reset/start			x	x	
Cross-circuit fault detection	x		x*	x	x
PL acc. to EN ISO 13849-1	up to PLe	Extension Module	up to PLe		
Spring Clamp Terminals	x	x	x	x	x
Housing Width	22.5mm			45mm	

* Models can be disabled