



ER12

Reliable button for machine commands

SICK
Sensor Intelligence.



Technical data overview

Switch type	Reset pushbutton / dual pushbutton (depends on variant)
N/O contacts	1 / 2 (depends on variant)
Housing material	Plastic
Enclosure rating	IP65 (EN 60529)
Pushbuttons (illuminable)	✓ / – (depends on variant)
Connection type	Plug connector, M12, 4-pin Plug connector, M12, 5-pin Plug connector, M12, 8-pin (depends on variant)
Suitable for muting applications (with UE403)	– / ✓ (depends on variant)
Suitable for reset/override applications (with deTec4)	– / ✓ (depends on variant)
Suitable for muting applications (with DMM4)	– / ✓ (depends on variant)

Product description

Reset pushbuttons and multiple pushbuttons from the ER12 product family are used when a function needs to be activated manually. The different product variants offer a wide range of application possibilities. A reset pushbutton enables a protective device to be reset so that the machine can be restarted after a stop. Multiple pushbuttons with two pushbuttons or a combination of key-operated pushbutton and pushbutton are ideal for applications that require two control devices. The pushbuttons can be used flexibly – resetting, enabling and other functions can be controlled via a single control unit.

At a glance

- Thin housing with snap-lock connection
- M12 plug connector
- Illuminable pushbuttons
- Key-operated pushbutton variant for authorized operation

Your benefits

- Simple mounting thanks to snap-in connection
- Fast commissioning and quick replacement due to M12 plug connectors
- User-friendly status display with LED illumination on the pushbutton
- Increased safety by preventing unauthorized operation thanks to key-operated pushbutton

Fields of application

- Machines for which persons can be in the hazardous area without activating the protective device
- Prevention of unexpected machine start
- Applications which required manual function activation

Ordering information

Other models and accessories → www.sick.com/ER12

- **Switch type:** reset pushbutton
- **N/O contacts:** 1

Connection type Detail	Suitable for muting applications (with UE403)	Suitable for reset/override applications (with deTec4)	Suitable for muting applications (with DMM4)	Items supplied	Type	Part no.
Plug connector, M12, 4-pin	✓	–	–	Including retaining clip and "RESET" cover	ER12-SB3C4S01	6034585
	–	–	–		ER12-SB3C4	6051330
Plug connector, M12, 5-pin	–	✓	✓	Including retaining clip, "RESET" cover and "RESET/OVERRIDE" cover	ER12-SB3C5	6045316

- **Switch type:** dual pushbutton
- **N/O contacts:** 2

Connection type Detail	Suitable for muting applications (with DMM4)	Items supplied	Type	Part no.
Plug connector, M12, 5-pin	✓	Including brackets, 5 cover caps (blue, black, green, yellow, transparent) and 8 labeled uses (START, RESET, ON, LOCK, UNLOCK, RESET/OVERRIDE, OVERRIDE, TEACH)	ER12-SE6F5	6083587
Plug connector, M12, 8-pin	–	Including brackets, 6 cover caps (blue, black, green, yellow, 2x transparent) and 8 labeled uses (START, RESET, ON, LOCK, UNLOCK, RESET/OVERRIDE, OVERRIDE, TEACH)	ER12-SD5E8	6051321

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