ES21

Emergency stop pushbutton for fast and reliable stopping of the machine

SICK
Sensor Intelligence.

ES21

Technical data overview

Switch type	Emergency stop pushbutton
Positive action N/C contacts	1 ... 3 (depending on type)
N/O contacts	0 / 1 (depending on type)
Housing material	Plastic
Enclosure rating	IP65 (IEC 60529) IP54 (IEC 60529) IP65, IP67 (IEC 60529)
Emergency stop pushbutton (illuminable)	– / ✔ (depending on type)
Connection type	Cable gland, 2 x M20 Terminal strip Connector M12, 5-pin, A-coded Cable with male connector M12, 4-pin, A-coded M12 male connector, 4-pin, A-coding (depending on type)

Product description

ES21 emergency stop pushbuttons are a must for automated machines and systems. They provide a means for a person to stop a machine or system in the event of an emergency. Depending on the variant, the emergency stop pushbuttons are either integrated into a machine operator panel or mounted directly on the machine.

At a glance

- Optionally available as a built-in version or as a surface-mounted version with housing
- Built-in version with self-monitoring emergency stop contacts
- Status display with colored mark or LED ring illumination
- Variants with protective collar
- Variants with M12 male connector

Your benefits

- A wide range of variants for custom-fit integration into your machine
- High level of safety thanks to self-monitoring: It switches off the machine in the event of faulty installation or mechanical damage
- Quick and user-friendly reading of the device status
- Reduction of unplanned machine stops, for instance in busy work areas
- Can be installed quickly and cost-effectively, at the same time reducing sources of error during wiring
- Simple, safe series connection with Flexi Loop

Fields of application

- Safe stop function for machinery and systems

Ordering information

Other models and accessories → www.sick.com/ES21

- **System part:** Pushbutton

Emergency stop push-button (illuminable)	Protective collar	Obstruction protection	Type	Part no.
✓	✓	✓	ES21-AT1150	5321166
	–	✓	ES21-AT1130	5321158
–	✓	✓	ES21-AT1140	5321165
	–	✓	ES21-AT1120	5321157
		–	ES21-AT1110	5321156

- **System part:** Switching element

Mounting version	Positive action N/C contacts	N/O contacts	Emergency stop push-button (illuminable)	Type	Part no.
Panel mount version	1	0	–	ES21-CG1001	6036139
	2	0	–	ES21-CG2001	6036140
		1	✓	ES21-CH2111	6036143
	3	0	–	ES21-CH3001	6035721

- **System part:** Complete device

Mounting version	Positive action N/C contacts	N/O contacts	Connection type Detail	Emergency stop push-button (illuminable)	Obstruction protection	Labeling "EMERGENCY STOP"	Type	Part no.
Panel mount version	2	0	Cable with male connector M12, 4-pin, A-coded	–	–	–	ES21-MB16S2	6082622
			M12 male connector, 4-pin, A-coding	–	–	–	ES21-MB16S4	6082623
			Terminal strip	–	✓	–	ES21-SB10E1	6041507
		1	Connector M12, 5-pin, A-coded	–	–	–	ES21-MB16R5	6083130
			Terminal strip	✓	✓	✓	ES21-SB13J1	6045315
				–	✓	✓	ES21-SB14G1	6053944
						–	ES21-SB10G1	6036492
Surface mount version	2	0	Cable gland, 2 x M20	–	✓	–	ES21-SA10E1	6036147
		1	Cable gland, 2 x M20	✓	✓	✓	ES21-SA13H1	6034584
						–	ES21-SA11H1	6036751
				–	✓	✓	ES21-SA14F1	6053943
						–	ES21-SA10F1	6036148

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:

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