

# Omron Machine Safety



Many thanks for clicking on this document. Please let us introduce selected products from Omron's machine safety range.





# OMRON Machine Guarding and Safety

*A ready-to-use safety solution in three steps*

## ER Series Rope Pull Emergency Stop Switch

[757-9102](#)

## G9SE Safety Relays

[890-3382](#)

## MX2 Motor Inverter

[705-1752](#)

The ER series of safety rope pull switches are designed to be tough and durable for even the most demanding applications. With long coverage spans, rope pull switches eliminate the need for numerous E-stop buttons reducing installation time and costs

Ideal for a variety of safety input devices such as emergency stop switches, door switches, and light curtains. The screw-less terminals on the front makes installation quick and easy, even where space is limited. LED indicators show the operating status of safety inputs and outputs.

The MX2 was developed to harmonise advanced motor and machine control. Thanks to its fast CPU's and advanced algorithms the MX2 provides smooth control down to zero speed, plus precise operation for fast cyclic operations and torque control capability in open loop.



**ACQUIRES INFORMATION**

Input



**MONITORING & PROCESSING**  
Logic



**STOPS THE MACHINE**  
Output

Safety solution is based on the INPUT LOGIC OUTPUT structure

E-Stop acquires the information, safety relay units monitor and process the signal and the safety actuator stops the machine if a suspected situation is detected.



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## Highlights from our range

### Safety Limit Switches

The Omron limit switches, are available in plastic or metal housing, along with a wide range of actuators, including lever, roller plunger, and whisker type, depending upon the application.



### Safety Light Curtains

Light curtains detect workers entering hazardous machine areas and stop machines before injury can occur, they are commonly chosen where mechanical guarding is impractical, such as where frequent access is needed during the normal operation of the machine.



### Safety Laser Scanner

OS32C is one of the world's smallest laser scanners, which can be used in a number of applications including intrusion detection, as a flexible alternative to safety light guards or for presence detection within a machines hazardous area (floor scanning).



### Door Safety Switches

Monitoring and controlling the access points of machinery is vital to achieving safe machine operation and complying with relevant safety standards, thus avoiding operator injury. Our range includes safety door switches, interlocks and non-contact switches.



Interested in machine safety? See how Omron's total machine safety solutions can benefit you. With an extensive product portfolio that includes access monitoring, optical detection, emergency stop & safety control, you can be assured that whatever your requirement, we have the answer. Whether you require an individual component or a complete safety system, Omron can support you throughout the process of choosing the most suitable solution that fits your application.



A close-up photograph of an industrial control panel. The panel is light grey with a textured surface. In the center, there is a prominent red emergency stop button with a black top. To its left is a blue button. The panel is mounted on a metal structure with a grid pattern. The background is slightly blurred, showing more of the industrial environment.

**THANK YOU**

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