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# Safety Overview

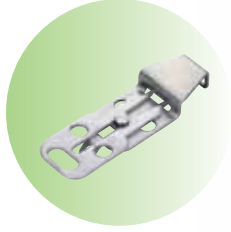


[www.IDEC.com/safety](http://www.IDEC.com/safety)



### Safety Overview

#### Safety Product Accessories



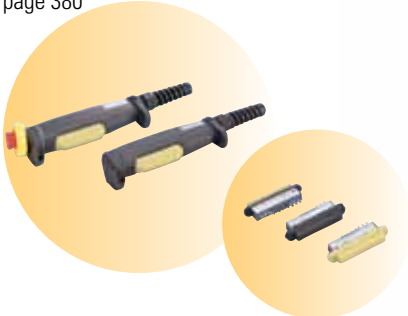
#### Teaching Pendant



For information on the Teaching Pendant visit [www.IDEC.com/oi/pendant](http://www.IDEC.com/oi/pendant)

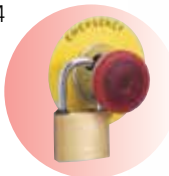
#### Grip Switch / Enabling Switch

Safety devices are intended to help the operator avoid dangers of unexpected machine operation during work within hazardous areas. page 380



#### Emergency Stop Switch

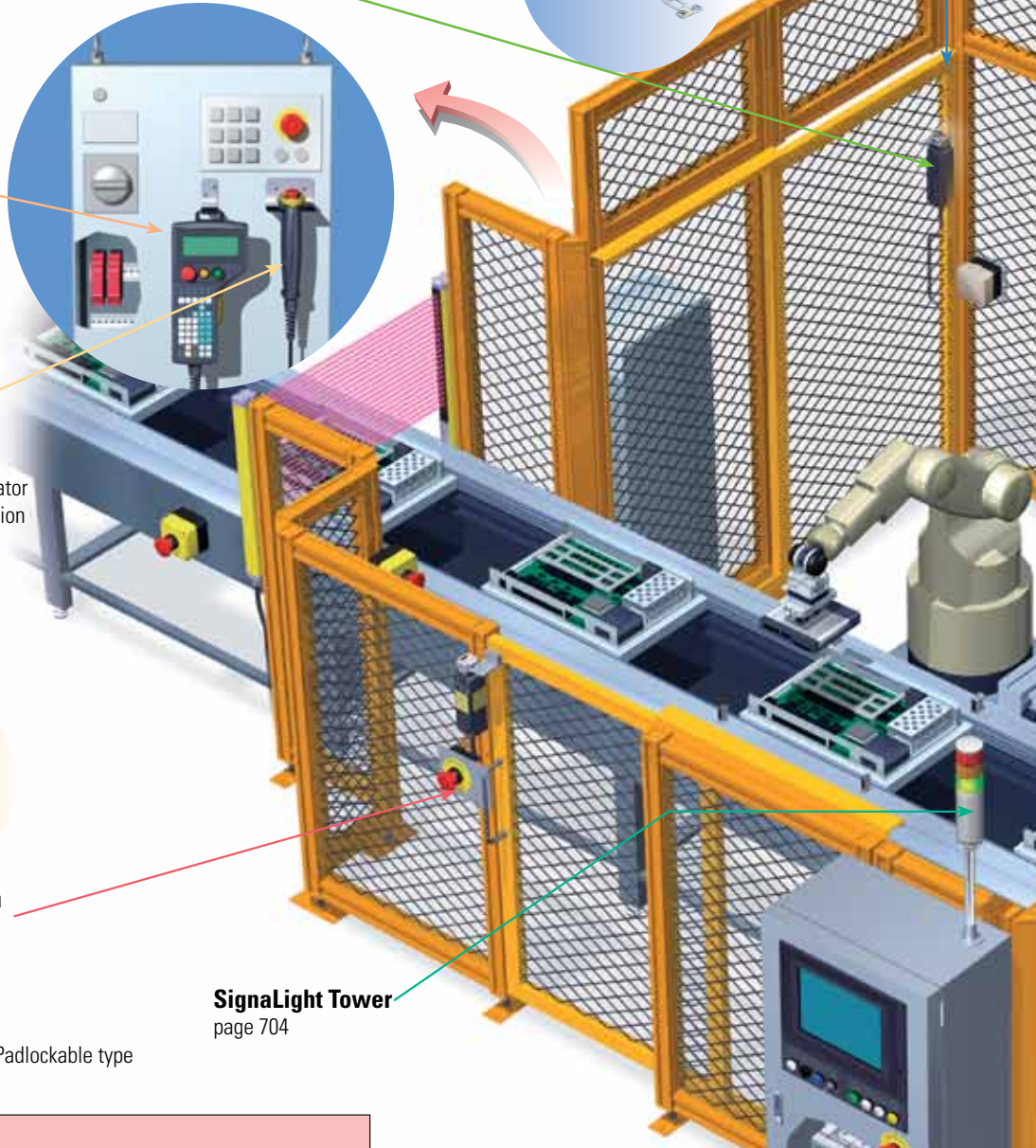
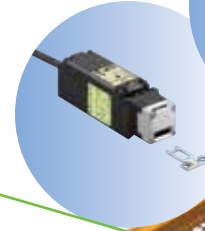
page 654



Padlockable type

#### Solenoid Interlock Switch

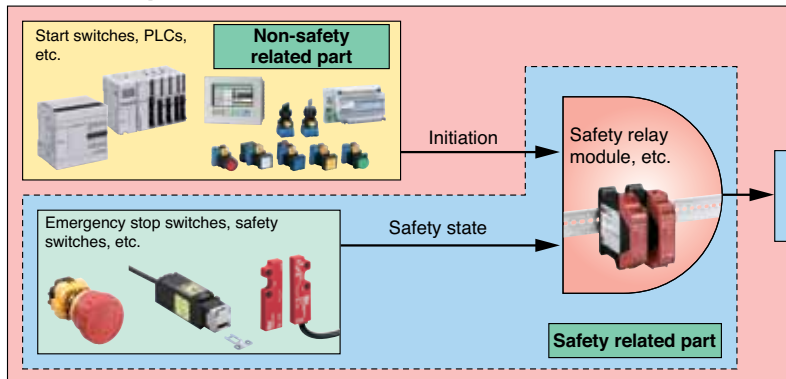
This safety switch serves as an interlock that enables the machine to start only when the guard is closed and locked. The guard is unlocked by the solenoid. page 290



#### Signalight Tower

page 704

#### Production System



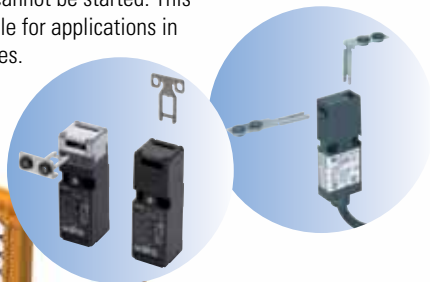
#### Safety Relay Module

This device is intended to start the machine only when the safety control system is functioning normally and safety information from safety devices (safety switch, emergency stop switch, etc.) is relayed to the machine. page 393



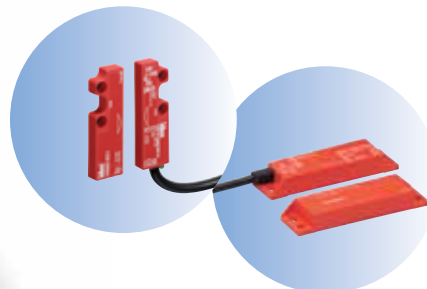
**Interlock Switch**

This safety switch serves as an interlock that enables the machine to start only when the guard is closed. Once the guard is opened, the machine stops or cannot be started. This safety switch is suitable for applications in limited mounting spaces.  
page 271



**Non-contact Safety Interlock Switch**

This safety switch is an interlock switch that can detect the open/close status of the door without mechanical contact. Taking advantage of dust-proof and water-proof construction as well as miniature size, the non-contact safety switch is suitable for semiconductor manufacturing systems, food processing systems, and assembly lines.  
page 342

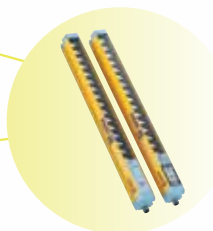


**Emergency Stop Switch**

To avoid accidents in an emergency, this switch is used to stop the machine. This switch provides a safety lock mechanism to prevent accidental startup of the machine.  
page 259

**Safety Light Curtain**

This device detects the entry of a person or object into the hazardous area by the interruption of light beams.  
page 429



**Emergency Stop Control Box**

This control box can be mounted separate from the control panel wherever required to ensure safety.  
pages 562 & 652



Overview

XW Series E-Stops

Interlock Switches

Enabling Switches

Safety Control

Light Curtains

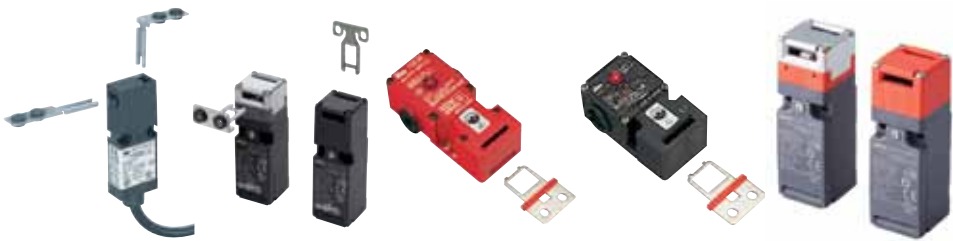
AS-Interface Safety at Work

### Safety Components

**Emergency Stop Switches** pages 259, 444, 461, 525, 558, 562, 652 & 654



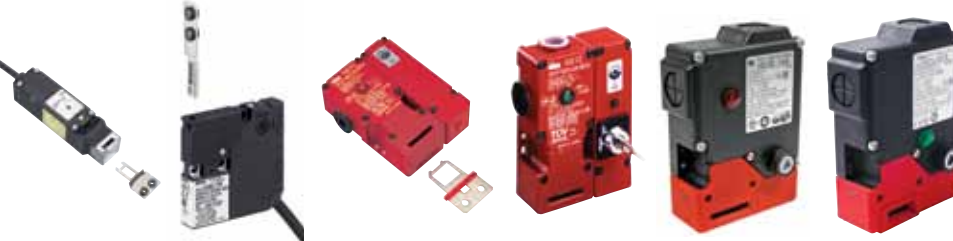
**Safety Interlock Switches** page 271



**Key Locking Safety Switches** page 329



**Solenoid Safety Interlock Switches** page 290



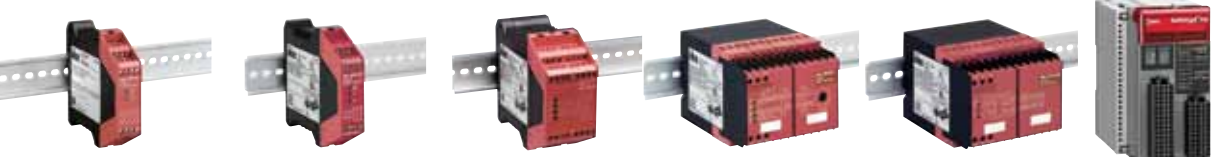
**Door Handle Gate System** page 354



**Enabling Switches / Grip Switches** page 363



**Safety Control Modules** page 393



**Non-contact Safety Switches** page 342



**Safety Light Curtains** page 429

