Safety Overview

Safety Components
Overview

Safety Overview

Safety Products Accessories

Teaching Pendant
For information on the Teaching Pendant visit 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

Production System

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

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

SignaLight Tower
page 704

Non-safety related part

Start switches, PLCs, etc.

Initiation

Emergency stop switches, safety switches, etc.

Safety state

Safety relay module, etc.

Safety related part

Start-up
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

Safety Control
Light Curtains
AS-Interface Safety at Work
Overview

Safety Overview

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

AS-Interface Safety at Work

Safety Control

Non-contact Safety Switches

Safety Light Curtains

www.IDEC.com