

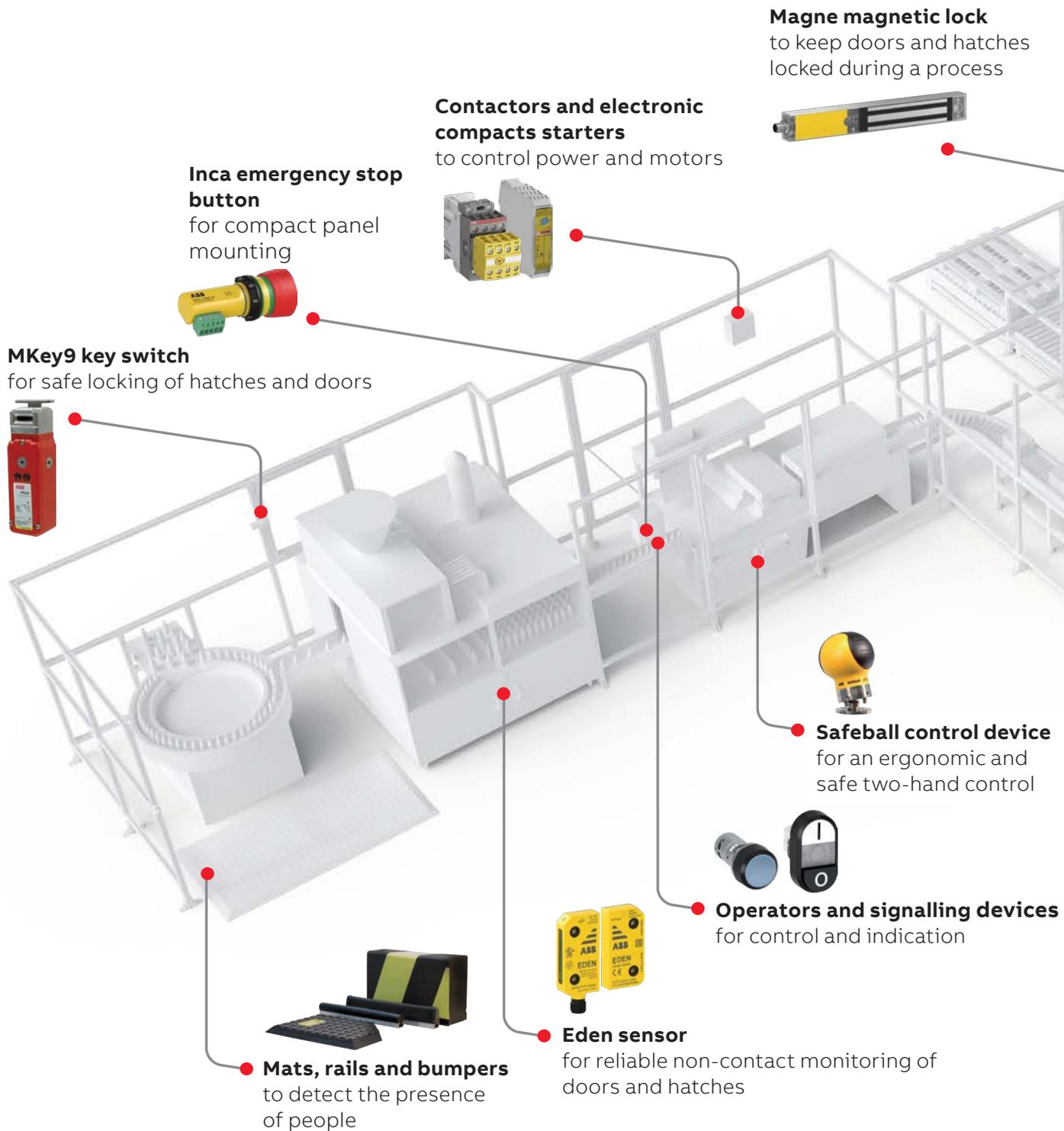
MOTOR STARTING AND SAFETY

Product panorama

ABB Safety Products



We deliver and support the world with premium, intelligent machine safety solutions.



- **Pluto programmable safety controller, B&R X20 safety PLC, Vital safety controller and Sentry safety relays** for flexible monitoring of safety devices



- **Smile emergency stop button** to safely stop machinery in hazardous situations



- **Orion light guards** for a production friendly safety detection



- **GKey safety lock** for safe locking of doors



- **LineStrong pull wire emergency stop switch** for easy access of emergency stop function



- **Three-position devices** for safe and ergonomic inspection and troubleshooting

Logic units

The ABB safety products offering includes a range of logic units to suit different types and sizes of safety applications

Sentry Safety relays

Sentry is a range of safety relays that are powerful and easy to use. There are basic Sentry models for simple applications and easy output expansion, as well as highly flexible models with extremely accurate timer functions and a display in the front for configuration and trouble shooting.

Vital Safety controllers

Vital is a configurable safety controller that does not require any programming. It uses the ABB Jokab Safety DYNlink system that enables Vital to supervise multiple safety functions that normally would have required several safety relays in order to reach the highest level of safety.

Pluto Programmable safety controllers

Pluto is a programmable safety controller that is cost effective, powerful and compact. Pluto can control most types of safety devices on the market, as well as DYNlink safety devices, analog sensors, encoders, contactors, valves and many more. Models with safety bus communication simplify the design of safety systems, thanks to our All-Master concept.

A wide range of gateways allows communication with other networks and also remote monitoring of a Pluto system.

Programming is easily done in the free of charge software Pluto Manager.

B&R X20 SafeLOGIC Safety PLC

B&R is part of ABB and offers safety PLC's for processing lines and machines automated with B&R.

The very compact X20 system offers a wide range of different modules and is especially efficient to wire and maintain thanks to its 3-part modularity.

SafeLOGIC is the ideal safety extension for a B&R automated application. It is not intended as a standalone model (as opposed to Pluto).

B&R supports all ABB safety sensors with potential free contacts. For this use case, the B&R SafeIO module provides a unique pulse signal which ensures best cable diagnostic.

B&R supports all ABB safety sensors with OSSD interface. For this use case, the B&R SafeIO module provides a filter that handles the short interruptions in the OSSD signals.

B&R also supports all ABB safety sensors with DYNlink interface.

Please contact your B&R sales office for more information.



Sentry



Vital



Pluto



X20 SafeLOGIC

General machinery

With a wide range of sensors and control devices ABB Safety Products has suitable safety solutions to most safety functions for machine builders and OEM.



Eden
Non-contact sensor
 Easy to install, highest level of safety and high reliability.



Orion
Optical safety device
 Reduce complexity, cost and downtime.



Safeball
Two-hand control device
 Ergonomic design, easy to install and highest level of safety.



Smile/Inca
Emergency stop
 Compact design and easy to install. LED's give good diagnostics.



Safety mats, edges and bumpers
Pressure sensitive devices
 Custom made with durable design.



Magne
Magnetic process lock
 Robust and reliable design that is easy to install.



Contactors and electronic compact starters
Power and motor control
 Compact and time saving solutions.



Food and beverage

ABB has a long experience of developing safety products and solutions adapted for the harsh environment and requirements in food and beverage industry.



Sense
Magnetic non-contact switch
 Reliable in harsh environment, easy to install and highest level of safety.



EStrong
Emergency stop
 Robust design and reliable in harsh environments.



MKey
Mechanical key switch
 Reliable in harsh environments, strong holding force, robust design and flexible mounting.



Orion (Wet)
Optical safety device with Wet protective housing
 Easy to install, minimized cabling and reliable in harsh environments.



HD5
Three-position device
 Ergonomic design, reliable in harsh environment and highest level of safety.

Robotics

Thanks to a close cooperation with ABB Robotics and as a longtime member of the ISO international robotics committee, ABB Safety Products has many products and solutions well suited for the robotics industry.



Eden
Non-contact sensor
 Easy to install, highest level of safety and high reliability.



Magne
Magnetic process lock
 Robust and reliable design that is easy to install.



Orion
Optical safety device
 Advanced functionalities, easy to install and reduced down-time.



JSHD4
Three-position device
 Ergonomic design and anti-tamper function.



GKey
Safety lock
 Easy to install, highest level of safety and high reliability.



Operators, pilot lights and signalling devices
Pilot devices
 Robust and reliable.



ABB Electrification Sweden AB



www.abb.com/low-voltage

For local contact information, please see:
new.abb.com/contact-centers