



SAFEMASTER STS

Power Interlocking - Safely switched off!

DOLD 

Power Interlocking from the **SAFEMASTER STS** family by DOLD allows you to easily integrate a load-break switch into your safety switch and key transfer system. This lets you to directly deactivate and safely lock the energy supply to a machine or system. The safety system can then reliably protect personnel from entering the hazardous area. At the same time, Power Interlocking can easily be combined with other SAFEMASTER STS modules to wirelessly and mechanically safeguard safety doors. The system offers the best possible safety up to category 4 / PL e with EC type examination certificate.

The most important components of Power Interlocking are a load-break switch and a mechanical or electromechanical locking unit. When switched off, these release a key which opens a safety door to a hazardous area. The locking mechanism prevents the operating lever from being activated, thereby stopping the system from turning back on.

Power Interlocking forces the energy supply to the machine to be switched off and locked directly using a load-break switch, without the use of an electrical or electronic control level. For simple or machines or retrofitting machines, power interlocking offers the advantage that no controller is required. The system can, however, also be a good addition to more complex systems as a restart prevention.

Your advantages

- ▶ For safety applications up to cat. 4 / PL e
- ▶ Reduced installation and assembly work due to simple construction
- ▶ Load-break switch integrated into SAFEMASTER STS
- ▶ Electrical control level not required
- ▶ Safe restart protection by locking off energy supply
- ▶ High switching capacity of 25 A to 800 A
- ▶ EC type examination certificate

Our experience. Your safety.

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Technical features

- ▶ Application range up to category 4 and performance level (PL) e in accordance with EN ISO 13849-1
- ▶ Emergency off or zone stop
- ▶ High switching capacity, currents of 25 A to 800 A (AC23)
- ▶ Different designs available
 - Mechanical
 - Safety switch
 - Safety switch with lock
- ▶ Safe lock, even if auxiliary or control circuits fail
- ▶ Load-break switch auxiliary contacts can be used in combination with time relay or standstill monitor
- ▶ Especially well-suited for central switch-off and release



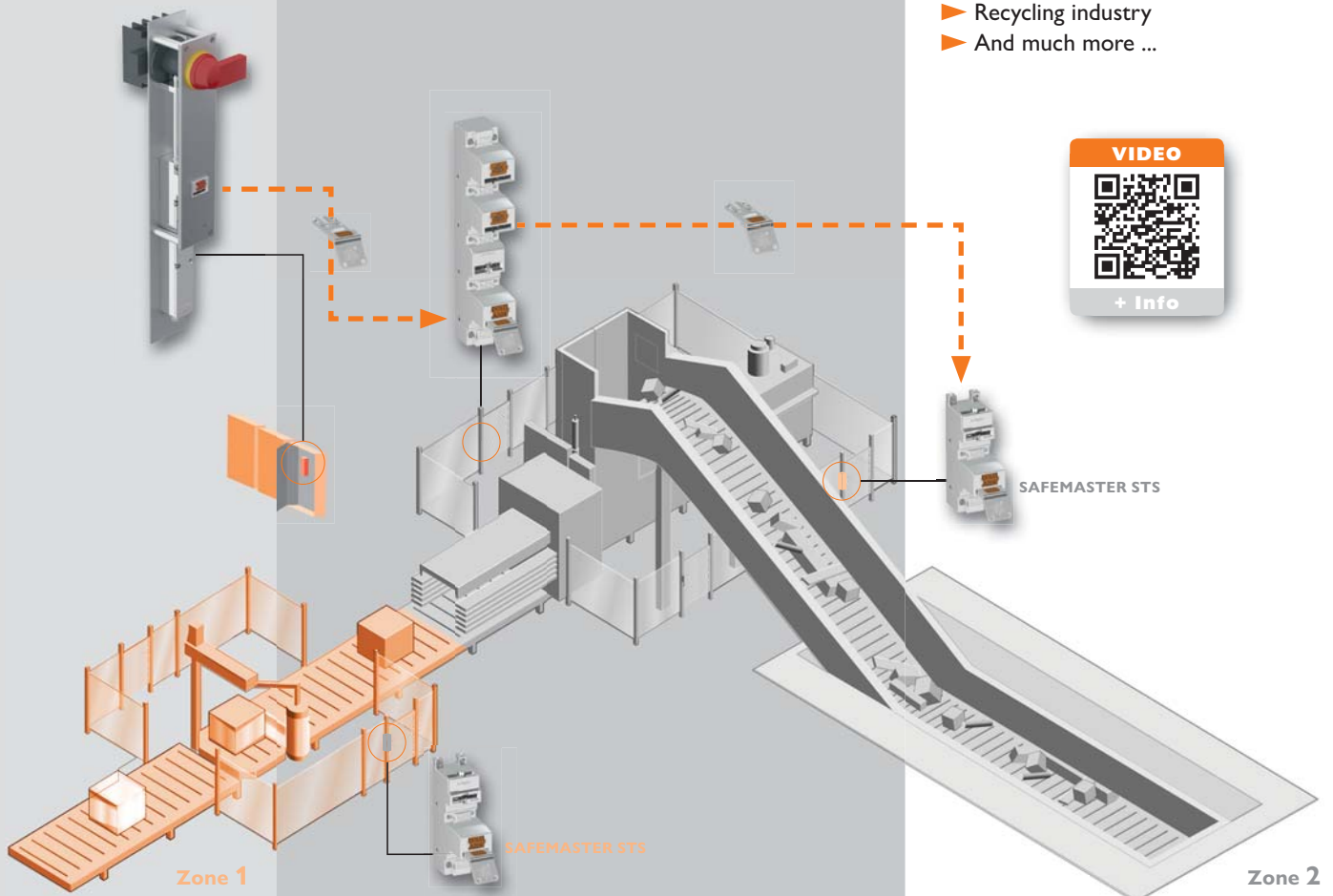
SAFEMASTER STS
Power Interlocking ZRH01SLPR40

Applications

The application example shows a baling press with additional packaging unit, combined with SAFEMASTER STS Power Interlocking. After the complete system has been switched off using the load-break switch, the key can be removed and other keys can be released as needed. The key can be used to open the various safety doors on the system, for example to perform maintenance. The system can only be restarted after all keys are returned to their initial positions.

Application examples

- ▶ Baling press
- ▶ Paper and printing industry
- ▶ Mixers
- ▶ Recycling industry
- ▶ And much more ...



Further information

Power Interlocking

Start

www.dold.com

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