



SAFEMASTER C

DOLD 

Multifunctional safety timer UG 6960

Flexible in function, variable in time

The **multifunctional safety timer UG 6960** from the **SAFEMASTER C** family serves the protection of staff and machinery by releasing and interrupting safety circuits. The UG 6960 combines safety time functions and safety functions in one device. Five different time functions with delay times of up to 300 minutes can be implemented, and selected flexibly and without programming via latching rotary switches. Besides safety functions such as emergency stop, protective door, non-equivalent safety sensor, two-hand or light barrier, it also allows you to connect your safety-related safety-mats and safety edges. The fine adjustment of time which is also done gradually via latching rotary switches is particularly advantageous for an optimal adjustment of the device in accordance with your application.

With its construction width of 22,5 mm, the multifunctional safety timer UG 6960 supplies two N/O contacts and one semiconductor monitoring output each, delayed and undelayed. In accordance with the requirements, the number of safety contacts can be multiplied via the related extension module UG 6929 or the combined extension module UG 6912.28.

Your advantages at a glance

▶ **Fast and exact adjustment of different time functions**

- Release delay
- Release delay can be retrigged
- Response delay
- Fleeting on make/fleeting on break
- Detent adjustment of delay time

▶ **Suitable for several safety functions**

- Emergency stop
- Safety gate
- Two-hand control
- Safety-mat / safety edge
- Light barrier
- Antivalent safety sensor

Our experience. Your safety.

Multifunctional safety timer UG 6960

Technical features

- ▶ Complies with
 - Performance Level (PL) e and category 4 in accordance with EN ISO 13849-1: 2008
 - Safety Integrity Claim Limit 3 (SIL CL) 3 according to IEC/EN 62061
 - Safety Integrity Level (SIL) 3 according to IEC/EN 61508 and IEC/EN 61511
- ▶ In accordance with EN 50156-1 for furnace installations
- ▶ Line-fault detection at the start button
- ▶ Activation via start button or automatic start
- ▶ With or without cross fault detection
- ▶ 2-channel design with digital timer
- ▶ Forcibly guided output contacts
- ▶ Output: 2 N/O contacts instant contacts and 2 N/O contacts delayed
- ▶ 1 semiconductor monitoring output for instant contacts
- ▶ 1 semiconductor monitoring output for delayed contacts
- ▶ LED displays operating voltage, safety function, time delay and faults
- ▶ Pluggable terminal blocks for fast device change
 - screw terminals
 - cage clamp terminals
 - double cage clamp terminals
- ▶ Sealable transparent cover
- ▶ Width 22.5 mm



SAFEMASTER C - UG 6960
safe time and safety functions
feasible

Application

Implementation of emergency stop and time control at the same time with only one device!

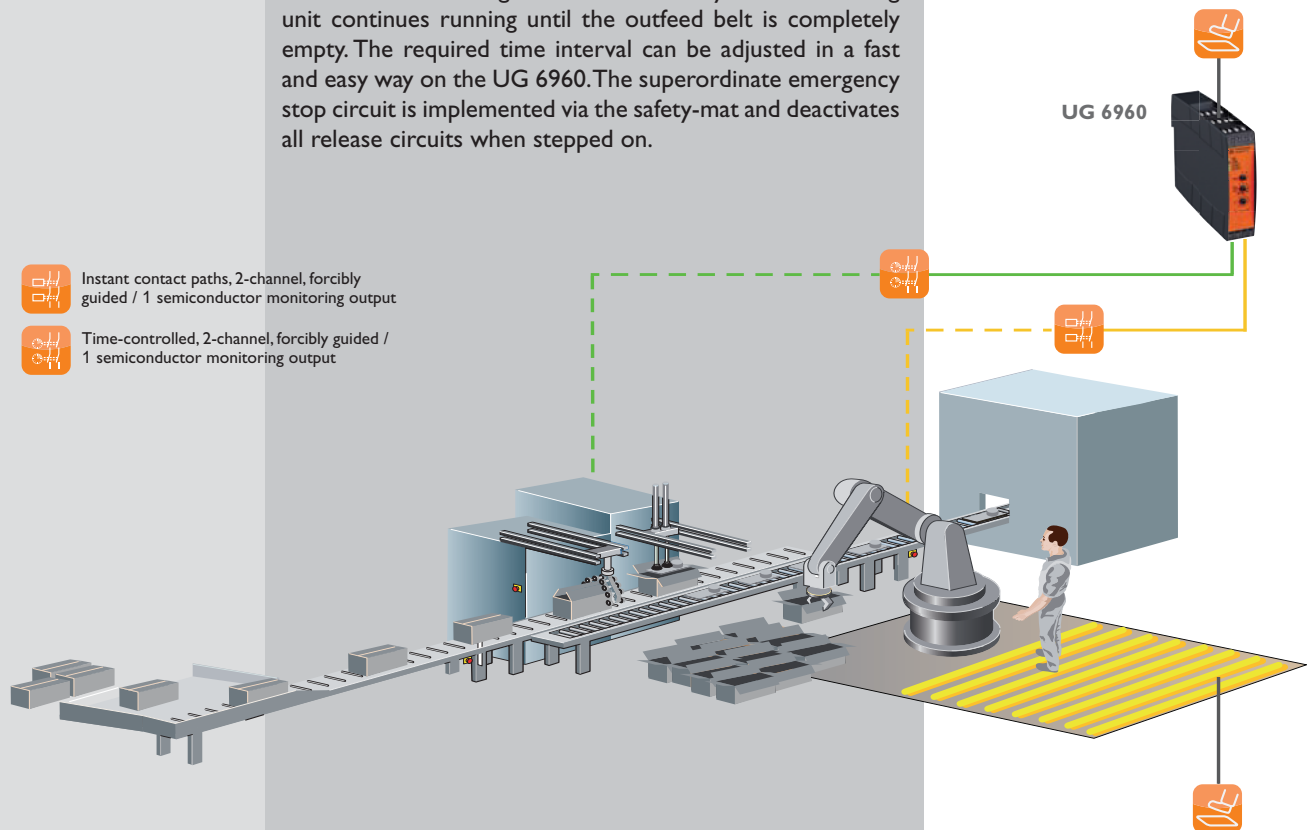
The figure shows a cartoning plant with a packaging robot. After switching off the feed conveyor, the cartoning unit continues running until the outfeed belt is completely empty. The required time interval can be adjusted in a fast and easy way on the UG 6960. The superordinate emergency stop circuit is implemented via the safety-mat and deactivates all release circuits when stepped on.



Instant contact paths, 2-channel, forcibly guided / 1 semiconductor monitoring output



Time-controlled, 2-channel, forcibly guided / 1 semiconductor monitoring output



Further information

UG 6960

Start

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