SAFEMASTER C

Multifunctional safety module UG 6970

DOLD ®

Safety technology has never been this simple.

The **multifunctional safety module UG 6970** from the **SAFEMASTER C** family serves the protection of staff and machinery by releasing and interrupting safety circuits. Up to two independent safety functions which are selected in a simple way and without programming via latching rotary switches can be implemented in a single device. The flexible adjustment of the safety functions lead to a sustainable reduction in storage costs.

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 mats and safety edges. The variable start configuration which can also be adjusted via rotary switches, allow for an optimal adjustment in accordance with the application. Besides the manual and automated start, the mutual manual start can also be selected for both safety functions.

With its width of 22.5 mm, the multifunctional safety module UG 6970 supplies two N/O contacts and one semiconductor monitoring output for each safety function.

In accordance with the requirements, the number of safety contacts can be multiplied via the related extension module UG 6929 or the combine extension module UG 6912.28.

Your advantages

► **Two safety functions independent from each other selectable**
   Emergency stop
   Safety gate
   Two-hand control
   Safety-mat / safety edge
   Light barrier
   Antivalent safety sensor

► Two safety functions at the same time and a width of 22.5 mm
► Manual or automated start, individually or jointly

Our experience. Your safety.

Multifunctional safety module UG 6970

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, joint start possible
► With or without cross fault detection
► 2-channel design
► Forcibly guided output contacts
► Output: 2 contacts per safety function
► 1 semiconductor monitoring output per safety function
► LED displays operating voltage, safety function 1, 2 and faults
► Pluggable terminal blocks for fast device change
  - screw terminals
  - cage clamp terminals
  - double cage clamp terminals
► Sealable transparent cover
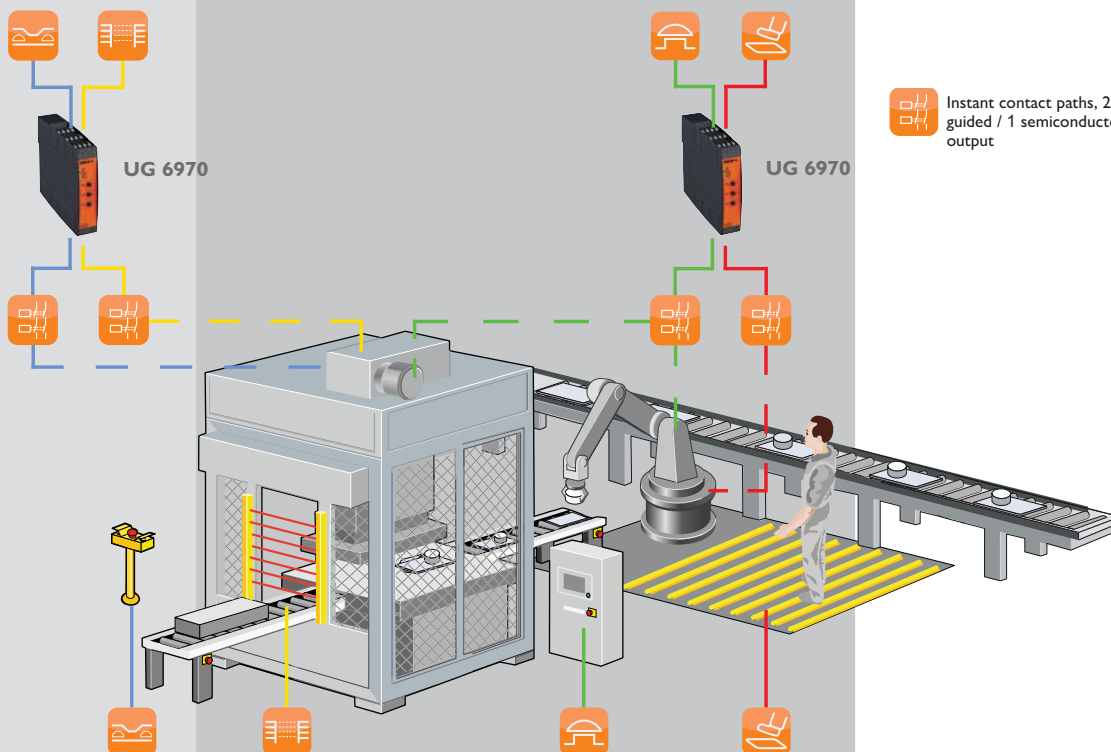► Width 22.5 mm

SAFEMASTER C - UG 6970
2 individual selectable safety functions

Application

A complex plant can be secured and monitored with only 2 devices!

The figure shows a packaging plant with assembly robot and compactor. The compactor can be operated via two-hand control and is additionally secured by a light barrier. The safety-mat deactivates the feed conveyor and the robot, the compactor remains active. The superordinate emergency stop circuit deactivates all release circuits at the same time.

Application examples

► Machinery and plant engineering
► Paper and printing industry
► Automotive industry
► Recycling industry
► and many more ...

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

UG 6970

UG 6970

Further information

UG 6970

Start 🔍

www.dold.com

DOLD ®