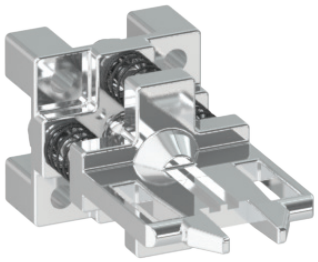

SAFEMASTER STS
Safety switch- and key interlock system actuator C

Translation of the original instructions

DOLD

E. DOLD & SÖHNE KG
P.O. Box 1251 • D-78114 Furtwangen • Germany
Tel: +49 7723 6540 • Fax +49 7723 654356
dold-relays@dold.com • www.dold.com

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Content

Before installing, operating or maintaining this device, these instructions must be carefully read and understood.

The installation must only be done by a qualified electrican!

The installation must only be done by a qualified mechanic!

Do not dispose of household garbage!
The device must be disposed of in compliance with nationally applicable rules and requirements.

Storage for future reference.

To help you understand and find specific text passages and notes in the operating instructions, we have important information and information marked with symbols.

Symbol and Notes Statement

DANGER:
Indicates that death or severe personal injury will result if proper precautions are not taken.

WARNING:
Indicates that death or severe personal injury can result if proper precautions are not taken.

CAUTION:
Indicates that a minor personal injury can result if proper precautions are not taken.

INFO:
Referred information to help you make best use of the product.

ATTENTION:
Warns against actions that can cause damage or malfunction of the device, the device environment or the hardware / software result.

General Notes

The product hereby described was developed to perform safety functions as a part of a whole installation or machine. A complete safety system normally includes sensors (SAFEMASTER STS System), evaluation units, signals and logical modules for safe disconnections. The manufacturer of the installation or machine is responsible for ensuring proper functioning of the whole system. DOLD cannot guarantee all the specifications of an installation or machine that was not designed by DOLD. The total concept of the control system into which the device is integrated must be validated by the user. DOLD also takes over no liability for recommendations which are given or implied in the following description. The following description implies no modification of the general DOLD terms of delivery, warranty or liability claims.

Notes

Risk!
Danger to life or risk of serious injuries.

- Hazards must be ruled out before a key can be entered and the movable part of the guard can then be opened!

INFO

- For information regarding use in the system and validation according to EN ISO 13849-2, see SAFEMASTER STS application guide.
- Take advantage of the advice of the **E. DOLD & SÖHNE KG** specialists regarding the choice of units and combination of a system.

ATTENTION !

- To avoid wrong usage (e.g. by overload, mounting position or usage in acid, alkaline or other hostile ambient conditions) the limitations of the product have to be observed. Please check in advance if your application requires the usage of the more robust stainless steel model of SAFEMASTER STS. The requirements of the mounting and operating instruction must be fulfilled.

SAFEMASTER STS
Safety switch- and key interlock system
Actuator C

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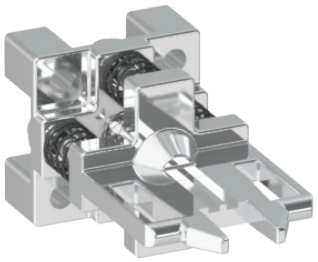


Presentation: Coded according to coding level „Medium“

STS-System Benefits
- EU-Test certificate according to the directive 2006/42/EG, annex IX
- For safety applications up to PLe/Cat. 4 according to DIN EN/ISO 13849-1
- Modular and expandable system
- Rugged stainless steel design
- Wireless mechanical safeguarding
- Combines the benefits of safety switch, locking module and key transfer in a single system
- Easy installation through comprehensive accessories
- Protection against lock-in
- Coding level low, medium, high according to DIN EN ISO 14119:2014-03

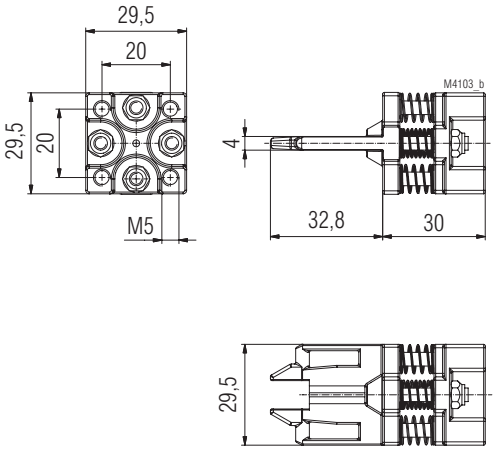
Features
- Actuator with 3 degrees of flexibility
- Can be coded
- Springs back to starting position
- Adjustable actuator angle

Product Description

The flexible actuator C is used in connection with the SAFEMASTER STS units, which comes with integrated actuator modules A, B, D, E or K. Generally, it is fitted to the movable part of a separating guard device and is used to switch the associated STS unit.

Approvals and Markings

Dimensional Drawings [mm]



Design and Function

The flexible actuator C is used for rougher ambient conditions where overloads of the associated STS-device may occur. A spring set which is integrated into the actuator buffers hard door stops and thereby prevents excessive force effects on the mechanics of jammed modules.
Moreover, the operating angle of the C-actuator is adjustable. This makes it also superbly suitable as radius actuator for hinged safety access doors with radii of > 200 mm.

The flexible actuator C can also be coded. The delivery of this coded actuator is always done in pairs with an associated coded actuator module D or E. Different types of coding are available.
The coding used will not be identified on the actuator. The product designation of the actuator C then becomes actuator CK. Coding level medium according to DIN EN ISO 14119:2014-03

Notes

Recommendation:
For safety access doors, which can be slammed with such great force that the mechanics of the actuator module will be damaged or greater pulling forces may act on the actuator, we recommend the use of the even more robust actuator CS series.

Refer to the customer information for additional details on selecting the actuator.

Technical Data

Material

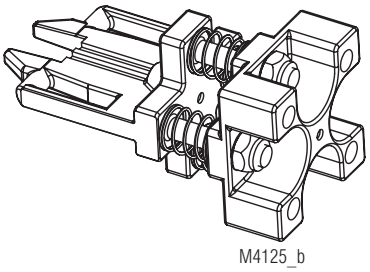
Actuator:	Stainless steel V4A / AISI 316
Spring:	V2A / AISI 304

Ordering Designation

Actuator C
Article number: 0062254

INFO:
Can be ordered only in pairs with actuator model D or E!
Actuator CK coded according to coding level „Medium“
Article number: 0063576

Setting of Radius and Incline



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The actuator radius and the actuator incline is set through the position of the locking nuts