

RAFIX 16 F, emergency stop button, square collar, reset by rotating, Mushroom head red



fields of application

- > Measurement-control-regulation
- > Electrical engineering
- > Mechanical and system engineering
- > Vehicle construction

special features

- > Emergency stop for safety functions
- Override-proof in accordance with DIN EN ISO 13850 due to positively driven mechanical motion sequence
- Robust also suitable for operation with gloves
- Close mounting of actuators possible, as wiring is axial from behind
- > Degree of protection: IP 65 at the front
- Separate switching elements UNIVERSAL required
- Switching elements with silver contacts (max. 250 V / 6 A) or gold contacts (max. 35 V / 0.25 A)
- Connection types: screw connection, plug-in connection, PCB plug-in socket
- The switching elements are snapped on and can be removed again by turning.



description

RAFIX command devices are modular units consisting of several parts. In the RAFIX 16 F product family, these always consist of an actuating element and a switching element, or an indicator lamp and a lamp socket. Actuating elements (such as pushbuttons or emergency stop actuators) have the specified tactility, reset and function only when assembled with the appropriate switching elements. For illuminated actuators, please use switching elements with lamp socket.

For RAFIX 16F actuators, you can choose between two collar shapes: round and square. Both are characterized by an extremely flat design. The round collar shape has an anti-rotation lug that can be easily removed with a screwdriver if necessary. The square actuators can be placed collar to collar to create a closed keypad.

technical data

> general		
Color of mushroom	red	direct links
Collar shape	square	> RAFI eCatalog
Operating temperature, min.	-25 °C	
Operating temperature, max.	70 °C	
Storage temperature, min.	-40 °C	

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Storage temperature, max.	85 °C
illuminated	No
Packaging	Box
Packaging unit	2 pcs.
net weight	16.9 g
Operating life	10,000 cycles
B10	13,000 cycles
B10d	26,000 cycles
Degree of protection, front s according to DIN EN 60529	ide, IP65
Environment resistance	IEC 60068-2-14 IEC 60068-2-30 IEC 60068-2-33 IEC 60068-2-78
MOQ order	10 pcs.
RoHS compliant	Yes
REACH compliant	Yes
mounting diameters	
Outside dimension, length	24.9 mm
Outside dimension, width	24.9 mm
Outside dimension, height	73.5 mm
Mounting hole	23.1 mm
Mounting depth	50 mm
Installation height	24.1 mm
Grid, min.	30 x 30 mm
Collar dimension	24,9 x 24,9 mm
mechanical data	
Actuation function	latching
Operating force, max.	100 N
Resetting	by rotating
Fixing	Threaded ring
Threaded ring torque, max.	1.2 Nm

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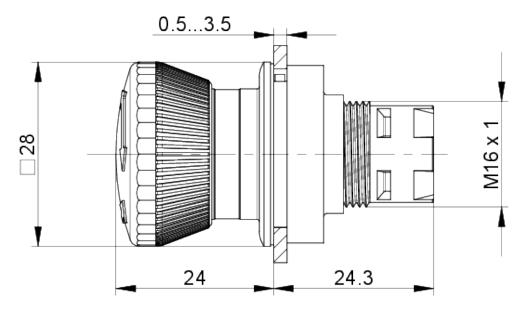
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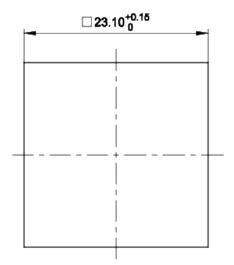


drawings

Dimensioned drawing



Mounting hole drawing



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mounting

DEUTSCH (DE) Betriebsanleitung

NOT-HALT-BEFEHLSGERÄTE

Baureihe RAFIX 16, RAFIX 22 FS°, RAFIX 22 FSR, RAFIX 22 QR RAFLY 105, RAFK 22 FS*, RAFK 22 FS

- 2. Allgemeine Beschreibung und bestimmungsgemäße

2. Algemeine Beschreibung und bestimmungsgemäße Yenwendumg Not-Halt-Berfehlsgeräte sind elektromechanische Schaltgeräte zum Maschlarberfehlsgeräte sind elektromechanische Schaltgeräte zum Maschinen, Fahrzeuge und Anlagen in einen sicheren Zustand zu vermeiden oder zu verringern. Für die Inbetreibenahme, den Einsatz und technischen Überprüfun-gen getten im speziellen folgende Vorschriften: • Die Maschinenrichtlinie 2004/2/EG • Die Sicherheitsvorschriften zweitenetistengeln Hersteller und Benutzer von Maschinen, an denen Not-Halt-Be-follsgeräte eingesetzt werden, tragen die Verantwortung für die Beachtung der Betriebsanleitung, wie auch für die Einhaltung der für sie geltenden Sicherheitsvorschriften und regeln. Für den Ein-bau und Betrieb von Not-Halt-Befehlsgeräten müssen zur bestim-mungsgemäßen Verwendung folgende Anforderungen beachtet und eine Gefahren dwervertung durchgeführt werden: • EN ISO 13800 • EIN SIO 13849-1

- EN ISO 13849-2
- EN 60204-1/A1
 EN 60947-5-5

3. Produktbeschreibung Aufbau: Die Not-Halt-Befchlsgeräte bestehen aus einer Kombinati-on von Betätigern mit einem oder mehreren Schaltelementen. Die Not-Halt-Befehlsgeräte gibt es als Einbauversion oder in einem Gehäuse verbaut. Die Betätigung erfolgt durch Drücken, die Ent-riegelung erfolgt je nach Variante entweder durch: • Drehbewegung nach rechts oder beide Richtungen (je nach Variante)

Ziehen entgegen der Betätigungsrichtung

- "Aktiv/Inaktiv"-Varianten: "Aktiv": beleuchtet, rot, Not-Halt Funktion gegeben "Inaktiv": unbeleuchtet, transparent, keine Not-Halt Funktion

arlanten mit Schloss: Die Entriegelung erfolgt per Rechtsdrehung des Schlüssels nach Betätigung des Not-Halt-Befehlsgerätes. Der Schlüssel muss in jedem Betätigungszustand abgezogen werden und sollte sich nur während des Entriegelns im Betätiger befinden. Damit lassen sich Verletzungen der Hände vermeiden.

ENGLISH (EN) **Operating Instructions**

EMERGENCY STOP Control Units

Series RAFIX 16, RAFIX 22 FS*, RAFIX 22 FSR, RAFIX 22 QR

2. General description and intended use

- 2. General description and intended use Emergency stop control components are electromechanical switching devices for the protection of personnel. They are used for quick shutdown to bring machines, vehicles and systems into a safe condition to avoid or reduce hazards and damage to people

In Gauce stratutionen to tring interface y vehicles and alian systems into a safe confliction to avoid or reduce heards and alianage to people and intolwing regulations apply in particular to commissioning, use and technical inspections: the machinery Directive 2006/42/EC - The safety regulations as we well as - The accident prevention regulations / safety rules Manufacturers and users of machinery on which emergency stop control components are used assume responsibility for the obser-vance of the operating manual, as well as for the observance of the safety rules and regulations applicable to them. For the installation and operation of emergency stop control components, the follow-ing requirements must be observed and a hazard assessment car-ried out for the intended use: - EN ISO 13849-1 - EN ISO 13849-2 - EN ISO 13849-2

- EN 60204-1/A1
 EN 60947-5-5

3. Product description

Product description
 Structure: The emergency stop control components consist of a combination of actuators with one or more switching elements. The emergency stop control components are available as a built-in version or installed in a housing. Actuation takes place by press-ing, unlocking takes place depending on the type either by:
 Rotation to the right or both directions (depending on the variant)

Pulling against the actuating direction

Active/Inactive" types: • "Active": illuminated, red, emergency stop function active "Inactive": non-illuminated, transparent, no emergency stop function

Types with a key lock: • Unlocking is performed by turning the key to the right after actu-ating the emergency stop control component. The key must be removed in every actuation state and should only be in the actu-ator during unlocking. This helps to avoid injuries to the hands.

FRANÇAIS (FR)

RAFI

Mode d'emploi auxiliaires de commande d'ARRÊT D'URGENCE

Série RAFIX 16, RAFIX 22 FS⁺, RAFIX 22 FSR, RAFIX 22 QR

2. Description générale et utilisation conforme

2. Description générale et utilisation conforme Les auxiliares de commande d'arrêt d'urgence sont des appareils de commutation électromécaniques de protection des appareils les servent à la mise l'arrêt rapide pour mettre les machines, vé-hicules et installations dans un état súr, afin d'éviter ou réduire dangers et donmages pour les genes et la machine. Les prescriptions suivantes s'appliquent tout particulièrement pour la mise en service, l'utilisation et les vérifications techniques : - La directive machine 2006/42/CE

La directive machine 2006/42/CE Les prescriptions de sociarité et Les prescriptions de sociarité et Les prescriptions de prévention des accidents / règles de sécu-rité Le constructeur et l'utilisateur de machines sur lesquelles des au-suitiliaires de commande d'arrêt d'urgence sont mis en œuvre assu-ment la responsabilité du respect de la notice d'utilisation ainsi que des prescriptions et régles de sécurité qui s'appliquent à eux. Pour le montage et l'exploitation d'auxiliaires de commande d'ar-tét d'urgence, les exigences suivantes doivent être respectées et une évaluation des risques doit être menée pour une utilisation conforme : conforme : • EN ISO 13849-1

• EN ISO 13850 • EN ISO 13849-2 • EN 60204-1/A1 • EN 60947-5-5

Description du produit
 Structure: les auxiliaires de commande d'arrêt d'urgence sont une combinaison d'actionneurs avec un ou plusieurs éléments de com-mutation. Les auxiliaires de commande d'arrêt d'urgence existent en version encastrable ou montés dans un botier. L'actionnement est réalisé par pression, le déverouillage selon la variante par :
 Mouvement de rotation vers la droite ou dans les deux sens (selon la variante)
 Tirage dans le sens contraire de l'actionnement

/ariantes « actif/inactif » : « Actif » : éclairé, rouge, fonction d'arrêt d'urgence présente « Inactif » : non éclairé, transparent, aucune fonction d'arrêt d'urgence

Variantes avec serrure : • Le déverrouillage est réalisé par rotation à droite de la clé après actionnement de l'auxiliaire de commande d'arrêt d'urgénec. La clé doit pouvoir être retirée dans n'importe quel état d'action-nement et ne doit se trouver dans l'actionneur que pendant le déverrouillage. Ceci permet d'éviter les blessures aux mains.

Produkt Product Produit	Einbau Ø mm Mounting Ø mm Montage Ø mm	Betätiger Actuator Actionneur	Schaltelement Contact Block Elément de commutation
RAFIX 16	Ø 16.2	1.30.074.xxx/xxxx 9.30.074.xxx/xxxx	1.20.123.xxx/xxxx 9.20.123.xxx/xxxx
RAFIX 16 F	□ 22.3 Ø 22.3	1.30.094.xxx/xxxx 9.30.094.xxx/xxxx	
RAFIX 22 QR	Ø 22.3	1.30.243.xxx/xxxx 9.30.243.xxx/xxxx	1.20.124.xxx/xxxx 1.20.125.xxx/xxxx 5.00.100.xxx/xxxx 9.20.124.xxx/xxxx 9.20.125.xxx/xxxx 9.20.125.xxx/xxxx
RAFIX 22 FS	Ø 22.3	1.30.253.xxx/xxxx 9.30.253.xxx/xxxx	1.20.126.xxx/xxxx 1.20.146.xxx/xxxx 9.20.126.xxx/xxxx 9.20.146.xxx/xxxx 9.20.146.xxx/xxxx
RAFIX 22 FS+	Ø 22.3	1.30.273.xxx/xxxx 9.30.273.xxx/xxxx	
RAFIX 22 FSR	Ø 22.3	1.30.283.xxx/xxxx 9.30.283.xxx/xxxx	

Weitere technische Daten sind dem eCatalog zu entnehmen: ecatalog.rafi-group.com Further technical data can be found in the eCatalog: ecatalog.rafi-group.com Yous trouverez d'autres données techniques dans le eCatalog : ecatalog.rafi-group.com Tabelle 3.1 Table 3.1 Tableau 3.1

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