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This operating manual is a translation of the original operating manual. All rights, errors and changes reserved.

Depending on features of your device, description of optional functions in the form of additional sheets will be provided as a complement to this operating manual.

Version 1.0 March 2019



Stop button | Emergency stop/Emergency off button

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1. About This Document

1.1 Function

This operating manual provides all necessary information for the assembly, installation, safe operation and disassembly of the EDI emergency stop/emergency off button. The operating manual must always be readable and available during the operating life of the device. Read the operating manual carefully before using the device. Always hand this operating manual over to future owners and users of the device. Add any supplement received from the manufacturer to the operating manual.

1.2 Safety instruction for the authorized skilled personnel.

The tasks described in this operating manual may only be carried out by trained skilled personnel authorized by the plant owner. You must read and understand the operating manual before starting the EDI. Familiarize yourself with the applicable rules and regulations relating to industrial safety and accident prevention. National and international legislation apply to assembly, installation and regular technical inspections.

1.3 Symbols



Caution

If the warnings are not observed, faults or malfunctions as well as injury to persons and/or damage of the machines can occur.



Information

Helpful additional information

1.4 Scope of application

The EDI emergency stop/emergency off buttons are electromechanical switching devices for the protection of persons working on or near machines. They are used to stop/shut down machines and plants in order to avoid or reduce arising or existing dangers to persons as well as damages to the machine or workpieces. The manufacturer of the plant or machine is responsible for ensuring the correct overall function of the system.

1.5 Attention: Safety Instructions

Observe the safety instructions in the operating manual, which are identified by above symbol for caution or warning. Follow national installation, safety and accident prevention regulations. For additional technical information refer to SSP data sheets or visit our website at www.safety-products.de.

All information is supplied without liability. We reserve the right to make technical modifications for reasons of improvement. No remaining risks are known, if the safety notes and instructions regarding assembly, installation, operation and maintenance are followed. Disconnect the plant and the device from the power supply before starting installation. Emergency stop/emergency off buttons are used to protect personnel. Improper installation or manipulation may cause serious injury to persons and must not be bypassed, removed or otherwise rendered ineffective.



Caution

For emergency off buttons with key release, the key may only be inserted during the unlocking process.

1.6 Attention: Incorrect use

Danger to persons or damages to parts of machines or installations can arise as a result of inappropriate or incorrect use or manipulation of the process guard locking.

The emergency stop/emergency off function must not be used as a substitute for protective measures or other safety functions, but should be designed as a supplementary protective measure. Furthermore, the effectiveness of protective devices or devices with other safety functions must not be impaired. Using his risk analysis, the designer must ensure that the emergency stop/emergency off button in combination with the controller reaches the required safety level (SIL, SILCL or PL).

1.7 Liability Disclaimer

We accept no liability for damages or operational malfunctions resulting from improper installation or failure to comply with this operating manual. No other liability is accepted by the manufacturer for damages resulting from use of spare parts or accessories, which have not been approved by the manufacturer. Any unauthorized repairs, reconstructions and modifications are not permitted for safety reasons and rule out liability of the manufacturer for resulting damages.

2. Product Description

2.1 Intended Use

The device can only be used in industrial applications

2.2 Design types

The emergency stop/emergency off button EDI consists of variants of actuators and one or more contact transmitters for applications up to PLe according to EN ISO 13849-1 and up to SIL CL 3 according to EN IEC 62061. Different variants are available and can be combined in a modular manner.

- Standard
- with key release
- illuminated/not illuminated
- with (locking) protective collar (partially illuminated)
- Protection class for hygienic areas. Actuators for standard applications and actuators
 which can be used with their external parts in restricted food industry areas in accordance
 with DIN EN 1672-2 and DIN ISO 14159, see chapter "Notes for hygienic areas".

This operating manual is valid for the following design types:

| EDI A1 | standard | SP-G-60-000-01 |
|----------|---|----------------|
| EDI A1S | stop button black | SP-G-60-000-02 |
| EDI A3 | locking protective collar | SP-G-60-000-03 |
| EDI A2 | hygienic protective collar | SP-G-60-000-04 |
| EDI A3B | locking protective collar - illuminable | SP-G-60-000-05 |
| EDI A7L | integrated contact transmitter a. solder pins | SP-G-60-000-06 |
| EDI A7SL | stop button black - integr. contact transmitter a. solder pins | SP-G-60-000-07 |
| EDI A6B | key switch and protective collar - illuminable | SP-G-60-000-08 |
| EDI A6 | key switch and protective collar | SP-G-60-000-09 |
| EDI A5B | key switch and locking protective collar - illuminable | SP-G-60-000-10 |
| EDI A5 | key switch and locking protective collar | SP-G-60-000-11 |
| EDI A4 | protective collar | SP-G-60-000-12 |
| EDI A4B | protective collar - illuminable | SP-G-60-000-13 |
| EDI 14 | kit (EDI A3, EDI ZK4, EDI ZH2, 2 x EDI ZA2) | SP-G-61-000-06 |
| EDI ZC2 | contact transmitter, NO screw terminals | SP-G-62-000-01 |
| EDI ZB2 | contact transmitter, NC screw terminals, failure protection | SP-G-62-000-02 |
| EDI ZA2 | contact transmitter, NC screw terminals | SP-G-62-000-03 |
| EDI ZD2 | module connection element for light ring screw terminals | SP-G-62-000-04 |
| EDI ZC1 | contact transmitter, NO spring-loaded terminals | SP-G-62-000-05 |
| EDI ZB1 | contact transmitter, NC spring-loaded terminals, failure protection | SP-G-62-000-06 |
| EDI ZA1 | contact transmitter, NC spring-loaded terminals | SP-G-62-000-07 |
| EDI ZD1 | module connection element for light ring spring-loaded terminals | SP-G-62-000-08 |
| EDI ZI2 | module clamp for 5 module screw terminals | SP-G-62-000-09 |
| EDI ZH2 | module clamp for 3 module screw terminals | SP-G-62-000-10 |
| EDI ZH1 | module clamp for 3 module spring-loaded terminals | SP-G-62-000-11 |
| EDI ZK4 | empty housing for EDI A incl. M12-connector 4-pole | SP-G-62-000-14 |
| EDI ZK5 | empty housing for EDI A incl. M12-connector 5-pole | SP-G-62-000-15 |
| EDI ZK8 | empty housing for EDI A incl. M12-connector 8-pole | SP-G-62-000-16 |



For emergency off buttons with key release, the key may only be inserted during the unlocking process.





2.3 Scope of application and mode of action

National and international legislation apply to assembly, commissioning and regular technical inspections, in particular

- Machinery Directive 2006/42/EC
- Low Voltage Directive 2014/35/EU
- Safety regulations
- Accident prevention regulations & safety rules

Manufacturers and operators of machines with emergency stop/emergency off buttons are responsible for observing the operating manual as well as applicable safety regulations and rules.

For intended use, the relevant requirements for the installation and operation of emergency stop/emergency off buttons must be observed.

- EN 60204-1:2006
- EN 13849-1/-2:2008
- EN ISO 13850:2015 (D)

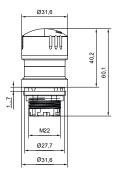
2.4 Product characteristics

Built-in version or surface-mounted version with two-part surface-mounting housing. Unlocking by rotary movement to the left or right or only to the right.

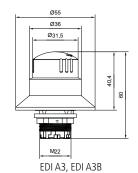
Connection of the contact blocks via spring-loaded terminal (quick connection), screw connection or M12 plug connector.

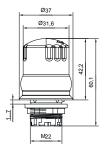
2.5 Dimensions

Dimensions in mm

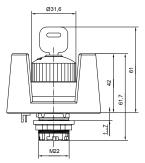


EDI A1, EDI A1S

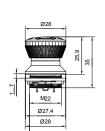




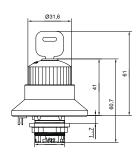
EDI A2



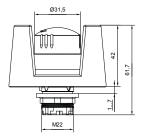
EDI A5, EDI A5B



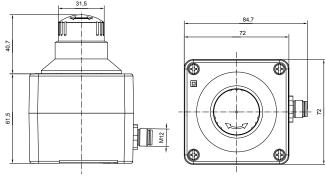
EDI A7L, EDI A7SL



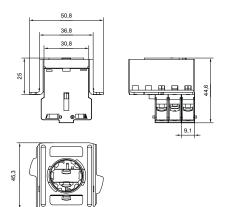
EDI A6, EDI A6B



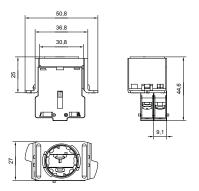
EDI A4, EDI A4B



EDI 14



Switch elements for module clamps ZI2



Switch elements for module clamps ZH2



2.6 Scope of Supply

Built-in version EDI A, button and switching element packed separately.

Surface-mounted version EDI I4, complete kit with pre-assembled button in housing with engaged switch element, other fixing materials (screws, dowels, slot nut) not included in delivery.

2.7 Functions

In order to maintain safety, the switch elements of the emergency stop/emergency off buttons are equipped with a safety contact. The contact supervises continuously the correct connection between the emergency stop/emergency off button and the contact transmitter. Even redundant, safe emergency-off chains are ineffective if the contact is not perfectly connected to the emergency-off actuator. (Step 9 "Configuration examples")

If the emergency stop/emergency off button is disconnected from the contact transmitter as a result of an imperfect assembly or mechanical damage, the safety contact disconnects immediately and the machine shuts down. The machine can be restarted only after successful trouble-shooting.

- Confirm: Pressing of the emergency stop/emergency off button
- Unlock: Turning of the emergency stop/emergency off button

3. Installation

3.1 General installations notes



Make sure that emergency stop/emergency off button is mounted at an easily accessible location. Pay particular attention to this for buttons with a high protective collar.

The installation may only be carried out by authorized skilled personnel.



Precautions during installation

The actuating pins of the outer contact blocks must face inwards so that all actuating pins are inside the ring when the clamp is inserted. (Fig. 5)

3.2 Installation of the build-in version EDI A

 Drill the mounting holes in the mounting plate (22.3 mm). For illuminable buttons, provide the mounting plate with an additional hole for the lighting connection. (Fig. 4)

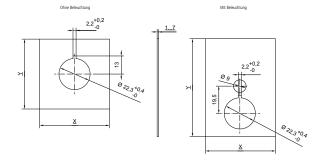


Fig. 4: Mounting holes dimensions of the built-in version (mm)

 Insert the button through the mounting hole and fasten it with lock nut (max. torque 2.5 Nm). Attach the switch element and turn clockwise by one eighth of a turn. The switch element engages. (Fig. 6)

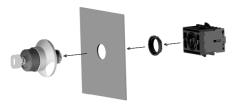


Fig. 6: Installation of the built-in version

- Check whether the self-monitoring contacts are closed when the switching element is engaged and the button is not pressed.
- Connect the connection wires to the terminal block. Observe the electrical and mechanical permissible values. (Step 4 "Technical data")

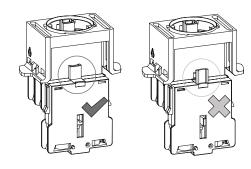


Fig. 5: Correct mounting of the switch elements

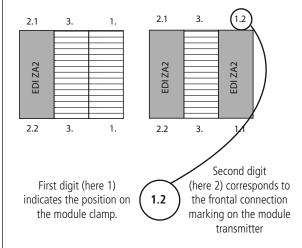


Fig. 2: Placement of the module clamps



Note: When illuminable buttons are used, a maximum of 250 V AC may be connected to the switch elements.

3.3 Installation of the surface mounted version EDI 14

- Install the lower part of the housing on a flat surface with a hole distance of 59 x 39 mm (see bottom of the housing).
- Close the housing. Make sure that the housing is tightly closed (tighten all screws).
- Connect the M12 wire to the provided M12 plug (4-pole).

3.4 Torque values

Torque values for fastening bolts see Table 1

Emergency off/emergency stop actuator torque value

| Actuator with 16 mm-thread | 1.5 Nm |
|----------------------------|-----------------------|
| Actuator with 22 mm-thread | 2.5 Nm |
| EDI A2 | min/max 1.5 Nm/2.2 Nm |



4. Technical data

4.1 Switch elements

| | EDI SP-G-62 | | | ZB2 -000-02 | EDI SP-G-62 | | EDI SP-G-62 | | | ZB1 2-000-06 | EDI SP-G-62 | |
|--|---|--|---|-------------------|----------------|-------------------------|----------------|-------------------------------------|--------------|---------------------|----------------|--------------|
| Protection class | | | | | | II (protectiv | e insulation) | | | | | |
| 0 4 4 | | -30 +85°C without lighting | | | | | | | | | | |
| Operating temperature | | -30 +65°C with LED lighting | | | | | | -25 +55°C with/without LED lighting | | | | |
| Storage temperature | | -50°C 85°C | | | | | | | | | | |
| Connection system | Screw terminals Spring-loaded terminals | | | | | | | | | | | |
| Min. switching voltage | | 5 V | | | | | | | 24 | 1 V | | |
| Max. wire cross-section | | | 2 × 2. | 5 mm ² | | | | | 0.75 | 2.5 mm ² | | |
| Min. switching current (laboratory conditions) | | 1 mA | | | | | | 5 mA | | | | |
| Max. bounce time | | | < 1 | 0ms | | | | | < 1 | 0 ms | | |
| Mechanical service life | 4 :11: | 1 million switching 20.000 switching 1 million switching | | | | | | | | | | |
| electrical service life (at nominal load) | | switching :les | 20.000 switching 1 million switch cycles cycles | | | 20.000 switching cycles | | | | | | |
| Contact material | AgNi | | | | | | | | | | | |
| Vertical resistance | < 20 1 | mOhm | < 100 | mOhm | | < 20 | mOhm | | < 100 | mOhm | mOhm < 20 mOhm | |
| Actuating travel | | | 6 r | nm | | | 5 mm | | | | | |
| Utilization category (EN 60947-5-1) | AC15 A600 | DC13 Q300 | AC15 | DC13 | AC15 A600 | DC13 Q600 | AC15 A600 | DC13 Q300 | AC15 A300 | DC13 | AC15 A600 | DC13 Q300 |
| Rated insulation voltage Ui (EN 60947-5-1) | 600 V | 600 V | 250 V | 250 V | 600 V | 600 V | 600 V | 400 V | 250 V | 250 V | 600 V | 400 V |
| Rated operating current le (EN 60947-5-1) | 3A | 2A | 3A | 2A | 3A | 2A | 3A | 2A | 3A | 2A | 3A | 2A |
| Rated operating voltage Ue (EN 60947-5-1) | 240 V | 24 V | 240 V | 24 V | 240 V | 24 V | 240 V | 24 V | 240 V | 24 V | 240 V | 24 V |
| Switching capacity (EN 60947-5-1) | 10le | 1.1le | 10le | 1.1le | 10le | 1.1le | 10le | 1.1le | 10le | 1.1le | 10le | 1.1le |
| Therm. Continuous current (EN 60947-5-1) | 16 A | | 16 A | | 16 A | | 16 A | | 10 A | | 16 A | |
| Rated voltage Ue (IEC 61058-1) | 250 V~ | | 250 V~ | | 250 V~ | | 250 V~ | | 250 V~ | | 250 V~ | |
| Rated current le (IEC 61058-1) | 16(10) A | | 16(10) A | | 16(10) A | | 16(10) A | | 10(5) A | | 16(10) A | |

Table 1

4.2 Buttons

| EDI A1 SP-G-60-000-01 EDI A3 SP-G-60-000-03 EDI A4 SP-G-60-000-12 | EDI A2 SP-G-60-000-04 | EDI A3B SP-G-60-000-05 EDI A6B SP-G-60-000-08 EDI A5B SP-G-60-000-10 | EDI A7L SP-G-60-000-06 | EDI A6 SP-G-60-000-09 EDI A5 SP-G-60-000-11 | EDI A4B SP-G-60-000-13 | | | |
|--|--|--|--|--|--|--|--|--|
| | | | | | | | | |
| Turning | | | | | | | | |
| Pushbutton | | | | | | | | |
| Red | | | | | | | | |
| Plastic | | | | | | | | |
| IP 65 (IEC 60529) | IP 66 (IEC 60529) | IP 65 (IEC 60529) | IP 66 (IE | C 60529) | IP 65 (IEC 60529) | | | |
| IP 69K (IE | C 60529) | | IP 67 (IEC 60529) | | | | | |
| -30 +70°C | | -30 +55°C | -25 +70°C | -30 +70°C | -30 +55°C | | | |
| -50 +85°C | | -50 +85°C | -40 +80°C | +85°C | | | | |
| 50,000 | > 6050 | 50,000 | | | | | | |
| max. 2.5 Nm | | | | | | | | |
| 10 N (700 mm/min) | | | | | | | | |
| | SP-G-60-000-01 EDI A3 SP-G-60-000-03 EDI A4 SP-G-60-000-12 IP 65 (IEC 60529) IP 69K (IE -30 +70°C -50 +85°C | SP-G-60-000-01 EDI A3 SP-G-60-000-03 EDI A4 SP-G-60-000-12 IP 65 (IEC 60529) IP 69K (IEC 60529) -30 +70°C -50 +85°C | SP-G-60-000-01 EDI A2 EDI A6B SP-G-60-000-03 SP-G-60-000-04 SP-G-60-000-08 EDI A4 SP-G-60-000-12 EDI A5B SP-G-60-000-10 Front pane Turn Pusht Re Pla IP 65 (IEC 60529) IP 65 (IEC 60529) -30 +55°C -50 +85°C -50 +85°C 50,000 > 6050 | SP-G-60-000-01 EDI A2 SP-G-60-000-05 EDI A7L SP-G-60-000-03 SP-G-60-000-04 SP-G-60-000-08 SP-G-60-000-06 EDI A4 SP-G-60-000-12 Front panel mounting Turning Pushbutton Red Plastic IP 65 (IEC 60529) IP 66 (IEC 60529) IP 65 (IEC 60529) IP 67 (IEC 60529) -30 +70°C -30 +55°C -25 +70°C -50 +85°C -50 +85°C -40 +80°C 50,000 > 6050 max. 2.5 Nm | SP-G-60-000-01 EDI A2 SP-G-60-000-05 EDI A6B SP-G-60-000-09 EDI A7L SP-G-60-000-09 SP-G-60-000-03 SP-G-60-000-04 SP-G-60-000-08 SP-G-60-000-06 SP-G-60-000-09 EDI A5 Front panel mounting Turning Pushbutton Red Plastic IP 65 (IEC 60529) IP 66 (IEC 60529) IP 66 (IEC 60529) IP 69K (IEC 60529) IP 67 (IEC 60529) -30 +70°C -30 +55°C -25 +70°C -30 +70°C -50 +85°C -50 +85°C -40 +80°C -50 50,000 > 6050 50,000 | | | |

Table 2



4.3 Elements with lighting connection

| EDI ZD2 SP-G-62-000-04 | EDI ZD1 SP-G-62-000-08 | | | | | | | |
|---|--|--|--|--|--|--|--|--|
| 31 6 62 666 61 | 31 6 02 000 00 | | | | | | | |
| II (protective insulation) | | | | | | | | |
| -30 +70°C | -25 +55°C | | | | | | | |
| -50 +85°C | | | | | | | | |
| Screw terminals | Spring-loaded terminals | | | | | | | |
| 2 × 2.5mm | 0.752.5mm | | | | | | | |
| max 30 V | | | | | | | | |
| max 44 mA | | | | | | | | |
| 0.25mm, 10cm, crimped-on BKL plug connector | | | | | | | | |
| X1: Anode /rd, X2 cathode /wt | | | | | | | | |
| | SP-G-62-000-04 II (protective -30 +70°C -50 Screw terminals 2 × 2.5mm max max 4 0.25mm, 10cm, crimpee | | | | | | | |

Table 3

5. Commissioning and Maintenance

5.1 Function Test

- Mechanical inspection: Emergency stop/emergency off button engages upon operation
- Electrical inspection: The machine stops or switches off upon operation of the emergency stop/emergency off button.



Note

Damaged or defective devices must not be put into operation!

5.2 Periodic inspection

The inspection interval shall be determined by the machine designer on the basis of the risk assessment. However, it is recommended that the emergency stop/emergency off button is triggered at least once a year by the responsible safety officer for test purposes and to check the correct function.

- mechanical and electrical function test in accordance with Step 5.1
- safe attachment
- manipulation and damage visible
- no loose wire connections

5.3 Behavior in the event of a malfunction



Note

Mechanical overload or external force can damage and impair the function of the emergency stop button.

- Correct the error
- Do a function test in accordance with Step 5.1.

6. Disassembly and Disposal

6.1 Removal

The EDI emergency stop/emergency off button must only be dismantled when the power is disconnected.

6.2 Disposal

The EDI emergency stop/emergency off button must be disposed of properly in accordance with national and local regulations.

7. Notes for hygienic areas

7.1 Application area

The emergency stop/emergency off button EDI A2 is also suitable for use in food processing machines in the food sector, injection area as well as in non-food sector (definition according to DIN EN 1672-2 and DIN ISO 14159). Please note the following,

7.2 Operating conditions

Operating temperature: -30°C to $+50^{\circ}\text{C}$ (temporary up to $+70^{\circ}\text{C}$). Avoid permanent contact with hydrocarbons (e.g. petrol, oil, grease etc.). Limited UV resistance, permanent outdoor application without additional protection is not recommended.

7.3 Installation

The EDI A2 emergency stop button/emergency off button is intended for installation in a closed housing or a closed control cabinet on a smooth, preferably metallic surface (e.g. front panel). Before mounting, grease all around the sealing lip of the yellow bellows with the grease supplied, e.g. with your finger. Please wear gloves made of nitrile rubber. Remove excess grease without damaging the sealing lip. Apply a thin layer of the supplied grease to the bottom of the bellows.

The installation is suitable for material thicknesses from 1 to 6.5 mm. The recommended tightening torque of the fastening nut with 22mm thread is max. 2.5 Nm. A grid dimension of at least 50 mm must be maintained between the outer sides of the buttons to allow easy cleaning between the buttons. We recommend an appropriate installation position, preferably horizontally, to allow liquids to drain off automatically in both the unactuated and actuated state (fold).

7.4 Cleaning/disinfection

Always clean

- before the first commissioning,
- as required (depending on degree of contamination),
- at regular intervals (according to an internal cleaning schedule).

If the surfaces have been contaminated with substances containing oil or grease, they must be cleaned immediately. All external surfaces are suitable for wet cleaning and disinfection. We recommend the use of commercially available low concentrated cleaners and disinfectants with a low acid content. Cleaners and disinfectants in high concentrated solutions are not suitable. Use for cleaning/disinfection if necessary,

- cleaning utensils that are clean and hygienic,
- cleaning utensils that do not lose any particles on the surfaces to be cleaned (e.g. clean and lint-free cloths)

Do not use for cleaning/disinfection:

- sharp, hard or pointed objects (e.g. steel wool and steel brushes) which can damage the surface,
- abrasive processes that negatively affect the surface roughness of the material.

The use of high-pressure cleaners for cleaning/disinfection is not recommended.

Please note the following



Check all parts visible from the outside at certain intervals and after operation. In the event of damage, the actuators must be replaced immediately by equivalent hygienic devices.



8. Further information

8.1 Use of protective collars

The user must check accessibility and availability.

9. Configuration examples



Note:

The illustrated examples are only suggestions. The user has the responsibility to design the overall system in compliance with applicable rules and regulations.

| | | Spring-loaded terminals | 5 | Screw terminals | | | |
|-------------------|--|--|---------------------------------------|---|--|--|--|
| Switching example | Item name | Item no | Placement pos. | Item name | Item no | Placement pos. | |
| .1 | EDI ZH1 EDI ZB1 | SP-G-62-000-11 SP-G-62-000-06 | 3.1 - 3.2 | EDI ZH2 EDI ZB2 | SP-G-62-000-10 SP-G-62-000-02 | 2.1 - 2.2 | |
| .1 | EDI ZH1 EDI ZB1 EDI ZA1 | SP-G-62-000-11 SP-G-62-000-06 SP-G-62-000-05 | 3.1 - 3.2 2.1 - 2.2 | EDI ZH2 EDI ZB2 EDI ZA2 | SP-G-62-000-10 SP-G-62-000-02 SP-G-62-000-03 | 2.1 - 2.2 3.1- 3.2 | |
| .1 .2 .3 .4 | EDI ZH1 EDI ZB1 EDI ZC1 | SP-G-62-000-11 SP-G-62-000-06 SP-G-62-000-07 | 3.1 - 3.2 2.3 - 2.4 | EDI ZH2 EDI ZB2 EDI ZC2 | SP-G-62-000-10 SP-G-62-000-02 SP-G-62-000-01 | 2.1 - 2.2 3.3 - 3.4 | |
| .1 | | | | EDI ZI2 EDI ZB2 EDI ZA2 EDI ZD2 EDI ZC2 | SP-G-62-000-09 SP-G-62-000-02 SP-G-62-000-03 SP-G-62-000-04 SP-G-62-000-01 | 2.1 - 2.2 5.1 - 5.2 1.3 - 1.4 3.X1 - 3.X2 | |
| .1 | EDI ZH1 EDI ZB1 EDI ZA1 EDI ZD1 | SP-G-62-000-11 SP-G-62-000-06 SP-G-62-000-07 SP-G-62-000-08 | 3.1 - 3.2 2.1 - 2.2 1.X1 - 1.X2 | EDI ZH2 EDI ZB2 EDI ZA2 EDI ZD2 | SP-G-62-000-10 SP-G-62-000-02 SP-G-62-000-03 SP-G-62-000-04 | 2.1 - 2.2 3.1 - 3.2 1.X1 - 1.X2 | |

Table 4



10. Declaration of Conformity

10.1 EC conformity regulations

EDI emergency stop/emergency off button Authorized representative: Johann Aulila SSP Safety System Products GmbH & Co. KG Max-Planck Str. 21, 78549 Spaichingen, Germany www.safety-products.de

www.safety-products.open Date: October 2016

The designated products comply with the regulations of the directives:

• Machinery Directive 2006/42/EC

Applied standards:

- EN 60947-5-1: 2004
- EN 60947-5-5: 1997 + A1:2005 + A11:2013
- EN ISO 13850: 2015 (D)



Note

Signed EC Declaration of Conformity is available at the SSP website: www.safety-products.de



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