



- Control stations with quadruple certification (NEC®, CE Code, ATEX, IECEx)
- Several assembly positions for effortless integration with existing wall mountings, which ensure compatibility with a wide range of products
- 316L stainless steel enclosure for excellent resistance to corrosion
- Offers a large number of pushbuttons, illuminated pushbuttons, control switches and LEDs for various configurations
- Customer-specific control stations are available upon request with various cable glands, contact options and additional certifications

F

## MY R. STAHL 8150P

R. STAHL's device control system in the Universal Mounting Series 8150/5-V40 uses explosion-protected components with enclosures made of 316L stainless steel for ultimate flexibility, safety and durability in hazardous and hostile environments. The integrated mounting plate offers various mounting options for simple installation.

|                 | NEC® 500<br>CE Code Appendix J |   |          |   |           |   |
|-----------------|--------------------------------|---|----------|---|-----------|---|
|                 | Class I                        |   | Class II |   | Class III |   |
| Division        | 1                              | 2 | 1        | 2 | 1         | 2 |
| Ex interface    |                                |   |          |   |           |   |
| Installation in |                                | • |          | • |           | • |

|                 | CE Code Section 18<br>NEC® 505   NEC® 506 |   |   |    |    |    |
|-----------------|---|---|---|----|----|----|
|                 | Class I                                   |   |   |    |    |    |
| Zone            | 0   | 1 | 2 | 20 | 21 | 22 |
| Ex interface    |   |   |   |    |    |    |
| Installation in |   | • |   |    |    |    |

|                 | IECEx / ATEX |   |   |    |    |    |
|-----------------|--------------|---|---|----|----|----|
|                 | 0            | 1 | 2 | 20 | 21 | 22 |
| Ex interface    |              |   |   |    |    |    |
| Installation in |              | • | • |    | •  | •  |

### Selection Table

Product variant 2-pole control switch with switch insert 8008

| Figure | Installation position top | Built-in element top | Installation position middle                           | Built-in element middle | Installation position bottom | Built-in element bottom | Product Type               | Art. No. | Weight lb |
|--------|---------------------------|----------------------|--|-------------------------|------------------------------|-------------------------|----------------------------|----------|-----------|
|        | –                         | –                    | Large handle, 0/OFF-I/ON (1x 90°), With silicone seal  | Control switch 002      | –                            | –                       | 8150/5-V40-12E0X-36I02SF01 | 301293   | 5.28 lb   |
|        | –                         | –                    | Large handle, HAND-0-AUTO (2x 45°), With silicone seal | Control switch 027      | –                            | –                       | 8150/5-V40-12E0X-36I06SF12 | 301294   | 5.3 lb    |


Product variant Mushroom stay-put button

| Figure | Installation position top | Built-in element top | Installation position middle  | Built-in element middle | Installation position bottom | Built-in element bottom | Product Type               | Art. No. | Weight lb |
|--------|---------------------------|----------------------|---|-------------------------|------------------------------|-------------------------|----------------------------|----------|-----------|
|        | –                         | –                    | EM-STOP mushroom stay-put button 55, Red – (rotating arrow), With silicone seal | Contact element NC/NC   | –                            | –                       | 8150/5-V40-12E0X-15L07SA03 | 301292   | 5.13 lb   |

Product variant Start-Stop Pushbutton

| Figure | Installation position top                       | Built-in element top  | Installation position middle | Built-in element middle | Installation position bottom                 | Built-in element bottom | Product Type                         | Art. No. | Weight lb |
|--------|---|-----------------------|------------------------------|-------------------------|--|-------------------------|--------------------------------------|----------|-----------|
|        | Pushbutton, Green – "START", With silicone seal | Contact element NC/NO | –                            | –                       | Pushbutton, red – "STOP", With silicone seal | Contact element NC/NO   | 8150/5-V40-12E0X-01L12SA05-01L09SA05 | 301295   | 5.05 lb   |

## Selection Table

| Product variant   |   |                       |                              |                         |  |                         |                                       |          |           |
|---|---|-----------------------|------------------------------|-------------------------|--|-------------------------|---------------------------------------|----------|-----------|
| Start-Stop Pushbutton   |   |                       |                              |                         |  |                         |                                       |          |           |
| Figure  | Installation position top                       | Built-in element top  | Installation position middle | Built-in element middle | Installation position bottom                                     | Built-in element bottom | Product Type                          | Art. No. | Weight lb |
|  | Pushbutton, Green – "START", With silicone seal | Contact element NC/NO | –                            | –                       | Pushbutton, actuation lockable, red – "STOP", With silicone seal | Contact element NC/NO   | <b>8150/5-V40-12E0Z-01L12SA05-01L</b> | 301296   | 5.26 lb   |

## Technical Data

### Explosion Protection

|                                 |  |
|---------------------------------|--|
| Area of application             | European Union (ATEX)<br>Canada<br>IECEX<br>USA  |
| Certificate ULus                | E182378V1S5  |
| Marking ULus                    | Class I, Div. 2, Groups A,B,C,D<br>Class II, III, Div. 2, Groups F,G<br>Class I, Zone 1, AEx db eb IIC T6<br>Enclosure Type 3, 4, 4X |
| Certificate cUL                 | E182378V1S5  |
| Marking cUL                     | Ex db eb IIC T6<br>Class I, Div. 2, Groups A,B,C,D<br>Class II, III, Div. 2, Groups F,G<br>Enclosure Type 3, 4, 4X                   |
| IECEX gas explosion protection  | Ex db eb IIC T6 Gb   |
| IECEX dust explosion protection | Ex tb IIIC T80 °C Db   |
| ATEX gas explosion protection   | Ⓔ II 2 G Ex db eb IIC T6 Gb  |
| ATEX dust explosion protection  | Ⓔ II 2 D Ex tb IIIC T80 °C Db  |
| Certificates                    | ATEX (PTB), Canada (UL), IECEX (PTB), India (PESO), USA (UL)   |
| Notes                           | Product label may vary. Series devices are labelled with ATEX, IECEX, NEC® and CE Code.  |

### Electrical Data

|  |  |
|--|--|
| Rated operational current                                  | 6 A                                    |
| Rated operational voltage AC                               | IEC: 550 V<br>NEC®, CE Code: 600 V     |
| Rated operational power max. NEC<sup>®</sup>/sup>, CE Code | 720 VA                                 |
| Notes  | Depending on the installed components. |

### Ambient Conditions

|                        |                    |
|------------------------|--------------------|
| Ambient temperature °F | -58 °F ... +140 °F |
| Ambient temperature    | -50 °C ... 60 °C   |

### Mechanical Data

|                               |   |
|-------------------------------|---|
| Enclosure type (UL50 & UL50E) | 3, 4, 4X  |
| Degree of protection (IP)     | IP66  |
| Enclosure material            | Stainless steel 1.4404, (AISI 316L), brush finished |
| Silicone-free                 | No  |
| Connection cross-section max. | 2.5 mm²   |
| Cover fixing type             | With captive screws, M6 stainless steel screws      |
| Seal                          | Silicone, foamed                                    |

### Components

|                          |  |
|--------------------------|--|
| Flange and plates        | Without flange                         |
| Cable glands and entries | NPT 3/4                                |
| Entry type               | CMP adaptor                            |
| Entry 1                  | 1 x CMP-737D M25-NPT 3/4"<br>737DM3T25 |
| Entry 1 type             | Metal adaptor                          |

## Technical Data

### Components

|                                  |          |
|----------------------------------|----------|
| Entry 1                          | NPT 3/4" |
| Metal entry possible for entry 1 | Yes      |

## Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations

