

8150/5-V37-302-50-0010 Art. No. 214171



- Can be used with conventional drives or with variable-frequency drives
- Intelligent design: A single rotary actuator for actuating the main and auxiliary contacts, ≥ 20 ms leading auxiliary contact for safe disconnection
- Designed in accordance with IEC/EN 62626-1, class 1
- The rotary actuator can be locked in the 0-position with three padlocks

MY R. STAHL 8150F



R. STAHL Series 8150/5-V37 safety switches safely disconnect machines and system parts from the energy supply for cleaning and repair as prescribed. All of the installed load disconnect switches have AC-3 switching capacity. The switches can be locked in the 0-position using padlocks.

Technical Data

Explosion Protection

| | |
|---------------------------------|--|
| Area of application | European Union (ATEX) IECEX |
| Application range (zones) | 1, 2, 21, 22 |
| IECEX gas certificate | IECEX PTB 09.0049 |
| IECEX gas explosion protection | Ex db eb IIC T6 Gb |
| IECEX dust certificate | IECEX PTB 09.0049 |
| IECEX dust explosion protection | Ex tb IIIC T80 °C Db |
| ATEX gas certificate | PTB 09 ATEX 1109 |
| ATEX gas explosion protection | ⊕ II 2 G Ex db eb IIC T6 Gb |
| ATEX dust certificate | PTB 09 ATEX 1109 |
| ATEX dust explosion protection | ⊕ II 2 D Ex tb IIIC T80 °C Db |
| Certificates | ATEX (PTB), China (NEPSI), IECEX (PTB), India (PESO) |
| Declaration of conformity | ATEX (EUK), China (CCC) |

Electrical Data

| | |
|-------------------------------|--------------|
| Rated operational voltage AC | 690 V |
| Rated operational current | 16 A |
| Rated operational current | 0 A |
| Frequency range | 50 – 60 Hz |
| Switching capacity AC-3 230 V | 4 kW |
| Switching capacity AC-3 400 V | 7.5 kW |
| Switching capacity AC-3 440 V | 7.5 kW |
| Switching capacity AC-3 500 V | 7.5 kW |
| Switching capacity AC-3 690 V | 11 kW |
| Auxiliary contact NC | without |
| Auxiliary contact NO | 1 NO/delayed |

Ambient Conditions

| | |
|---------------------|--------------------|
| Ambient temperature | -40 °C ... +50 °C |
| Ambient temperature | -40 °F ... +122 °F |

8150/5-V37-302-50-0010 Art. No. 214171

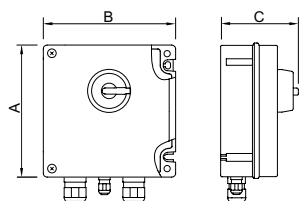
Mechanical Data

| | |
|--|---|
| Degree of protection (IP) | IP66 |
| Degree of protection note | according to EN/IEC 60529 |
| Enclosure material | Stainless steel 1.4404, (AISI 316L), brush finished |
| Min. solid conn. cr.-sect. AWG | AWG 14 |
| Min. f.stra. con. cr.-sec. AWG | AWG 14 |
| F.stranded conn. cr.-sect. AWG | AWG 10 |
| Connection terminal auxiliary contact min. AWG | AWG 16 |
| Construction type | Standard |
| Dimension A | 176.5 mm |
| Dimension B | 176.5 mm |
| Dimension C | 132 mm |
| Dimension A | 176.5 mm |
| Dimension A inch | 6.95 in |
| Dimension B | 176.5 mm |
| Dimension B inch | 6.95 in |
| Dimension C | 132 mm |
| Dimension C inch | 5.2 in |
| Handle colour | Black shroud and handle |
| Seal | Silicone, foamed |
| Lockable in | Three times in 0 position |
| Detailed number of poles | 3-pole |
| Weight | 3.25 kg |

Components

| | |
|-------------|--|
| Entry type | Standard 8161, moulded material |
| Cable gland | 2 x M25 Ø 7 ... 17 mm 1 x M20 Ø 4 ... 13 mm |

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



| Ver- sion | Rated operational current | Product Type | Dimension A [mm] | Dimension B [mm] | Dimension C [mm] |
|--------------|------------------------------|------------------------------|---------------------|---------------------|---------------------|
| 3-pole | 16 A | 8150/5-V37-302-50-.... | 176.5 | 176.5 | 132 |
| | 25 A | 8150/5-V37-304-50-.... | 176.5 | 176.5 | 132 |
| | 40 A | 8150/5-V37-305-51--K | 360 | 176.5 | 194 |
| | 63 A | 8150/5-V37-306-51--K | 360 | 360 | 196 |
| | 125 A | 8150/5-V37-308-51--K | 727 | 360 | 203 |

Load disconnect switches and motor starters

Safety switch



8150/5-V37-302-50-0010 Art. No. 214171

We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.