

8150/5-V37-308-51-1010-K Art. No. 222694



- Can be used with conventional drives and drives controlled by frequency converters
- Intelligent design: A single rotary actuator for actuating both main and auxiliary contacts,  $\geq 20$  ms leading auxiliary contact for safely disconnecting the frequency converter
- Version complies with IEC/EN 62626-1, Class 1
- The rotary actuator can be locked with 3 padlocks in the 0-position

MY R. STAHL 8150F



R. STAHL's 8150/5-V37 series safety switches safely disconnect the power supply to machinery and system components for cleaning and repair as prescribed. All of the installed load disconnect switches have an AC-3 switching capacity. The switches can be locked in the 0-position using padlocks.

## Technical Data

### Explosion Protection

Scope of validity	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 / T5 Gb
IECEX dust certificate	IECEX PTB 09.0049
IECEX dust explosion protection	Ex tb IIIC T80 °C / T95 °C Db
ATEX gas certificate	PTB 09 ATEX 1109
ATEX gas explosion protection	Ex II 2 G Ex db eb IIC T6 / T5 Gb
ATEX dust certificate	PTB 09 ATEX 1109
ATEX dust explosion protection	Ex II 2 D Ex tb IIIC T80 °C / T95 °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 / 500 V
Rated operational current	125 A (T6) 160 A (T5)
Rated operational current	125 A
Switching capacity AC-3 230 V	37 – 45 kW
Switching capacity AC-3 400 V	55 – 90 kW
Switching capacity AC-3 440 V	75 – 90 kW
Switching capacity AC-3 500 V	75 – -- kW
Switching capacity AC-3 690 V	110 – -- kW
Auxiliary contact NC	1 NC
Auxiliary contact NO	1 NO/delayed

# Load Disconnect Switches and Motor Starters

## Safety switch



8150/5-V37-308-51-1010-K Art. No. 222694

### Electrical Data

Frequency range	50 – 60 Hz
-----------------	------------

### Ambient Conditions

Ambient temperature	-40 °C ... +44 °C (IIC T6) (T80 °C) (Max. 125 A) ( T5) (T95 °C)
Ambient temperature	-40 °F ... +111 °F (IIC T6) (T80 °C) (Max. 125 A) ( T5) (T95 °C)

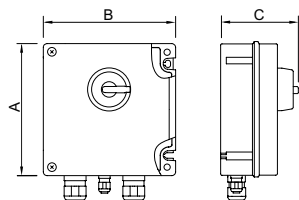
### Mechanical Data

Degree of protection (IP)	IP66
Degree of protection note	acc. to EN/IEC 60529
Enclosure material	Stainless steel 1.4404, (AISI 316L), brush finished
Min. solid conn. cr.-sect. AWG	AWG 4/0
Connection terminal auxiliary contact min. AWG	AWG 18
Construction type	Compact design
Dimension A	727 mm
Dimension A inch	28.62 in
Dimension B	360 mm
Dimension B inch	14.17 in
Dimension C	150 mm
Dimension C inch	5.91 in
Handle colour	Yellow shroud, red handle
Seal	Silicone, foamed
Lockable in	Three times in 0 position
Detailed number of poles	3-pole
Weight	25.6 kg
Weight	56.49 lb

### Components

Entry type	Standard 8161, moulded material
Cable gland	2 x M63 Ø 28 to 48 mm 1 x M20 Ø 4 to 13 mm

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



Version	Rated operational current	Product Type	Dimension A [mm]	Dimension B [mm]	Dimension C [mm]
---------	---------------------------	--------------	------------------	------------------	------------------

# Load Disconnect Switches and Motor Starters

## Safety switch



8150/5-V37-308-51-1010-K Art. No. 222694

3-pole	10, 12 / 16 A	8146/5-V37-300-50-... 8146/5-V37-301-50-...	112.5 112.5	112.5 112.5	131 131
	16 A	8146/5-V37-302-50-... 8146/5-V37-302-...- .5.. 8150/5-V37-302-50-... 8146/5-V37-302-50-0250	170 340.5 176.5 227	112.5 170 176.5 112.5	132 132 132 172
	20 A	8146/5-V37-303-50-...	170	170	132
	25 A	8146/5-V37-304-50-... 8150/5-V37-304-50-...	170 176.5	170 176.5	132 132
	40 A	8146/5-V37-305-...-K 8146/5-V37-305-...- .5.. 8150/5-V37-305-...-K	340.5 340.5 360	170 340.5 176.5	176.5 195 194
	63 / 80 A	8146/5-V37-306-...-K 8146/5-V37-306-... 8146/5-V37-306-...- .5.. 8150/5-V37-306-S1-...	340.5 340.5 681.5 360	170 340.5 340.5 360	195 195 195 196
	80 A	8146/5-V37-307-...- .5..	681.5	340.5	195
	125 / 160 A	8146/5-V37-308-...-K 8146/5-V37-308-...	681.5 681.5	340.5 681.5	205 205
	180 A	8146/5-V37-310-...-K 8146/5-V37-310-...	681.5 681.5	340.5 681.5	205 205
	6-pole	16 A	8146/5-V37-602-60-...	170	170
25 A		8146/5-V37-604-60-...	227	170	172
40 A		8146/5-V37-605-...-K	340.5	340.5	205
63 / 80 A		8146/5-V37-606-...	681.5	340.5	205
125 / 160 A		8146/5-V37-608-...	1023	681.5	243
180 A		8146/5-V37-610-...	1023	681.5	243

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.