

# Load disconnect switches and motor starters

## Safety switch



8150/5-V37-304-50-0010 Art. No. 214172



- Can be used with conventional drives or with variable-frequency drives
- Intelligent design: A single rotary actuator for actuating the main and auxiliary contacts,  $\geq 20$  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

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 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	25 A (T6)
Rated operational current	25 A
Switching capacity AC-3 230 V	5.5 kW
Switching capacity AC-3 400 V	11 kW
Switching capacity AC-3 440 V	11 kW
Switching capacity AC-3 500 V	15 kW
Switching capacity AC-23 690 V	22 kW
Auxiliary contact NC	without
Auxiliary contact NO	1 NO/delayed
Frequency range	50 – 60 Hz

# Load disconnect switches and motor starters

## Safety switch



8150/5-V37-304-50-0010 Art. No. 214172

### Ambient Conditions

Ambient temperature	-40 °C ... +43 °C
Ambient temperature	-40 °F ... +109 °F

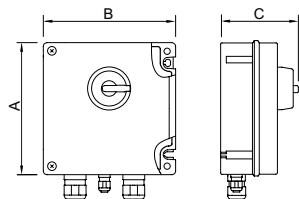
### Mechanical Data

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 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	3.3 kg
Weight	7.28 lb

### Components

Entry type	Standard 8161, moulded material
Cable gland	2 x M32 Ø 9 to 21 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-V37-304-50-0010 Art. No. 214172

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