



- 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, ≥ 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

E7

WebCode **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.

	IECEX / ATEX					
Zone	0	1	2	20	21	22
Installation in		•	•		•	•

Selection Table							
Rated operational current		16 A					
Rated operational voltage AC		690 V					
Detailed number of poles	Handle colour	Auxiliary contact NC	Auxiliary contact NO	Cable gland	Product Type	Art. No.	Weight
3-pole	Black shroud and handle	without	1 NO/delayed	2 x M25 Ø 7 to 17 mm 1 x M20 Ø 4 to 13 mm	8150/5-V37-302-50-0010	214171	3.25 kg
	Yellow shroud, red handle	without	1 NO/delayed	2 x M25 Ø 7 to 17 mm 1 x M20 Ø 4 to 13 mm	8150/5-V37-302-50-1010	222688	3.25 kg
Rated operational current		25 A					
Rated operational voltage AC		690 V					
Detailed number of poles	Handle colour	Auxiliary contact NC	Auxiliary contact NO	Cable gland	Product Type	Art. No.	Weight
3-pole	Black shroud and handle	without	1 NO/delayed	2 x M32 Ø 9 to 21 mm 1 x M20 Ø 4 to 13 mm	8150/5-V37-304-50-0010	214172	3.3 kg
	Yellow shroud, red handle	without	1 NO/delayed	2 x M32 Ø 9 to 21 mm 1 x M20 Ø 4 to 13 mm	8150/5-V37-304-50-1010	222691	3.3 kg
Rated operational current		40 A					
Rated operational voltage AC		690 V					
Detailed number of poles	Handle colour	Auxiliary contact NC	Auxiliary contact NO	Cable gland	Product Type	Art. No.	Weight
3-pole	Black shroud and handle	1 NC	1 NO/delayed	2 x M40 Ø 12 to 28 mm 1 x M20 Ø 4 to 13 mm	8150/5-V37-305-51-0010-K	214173	8.36 kg
	Yellow shroud, red handle	1 NC	1 NO/delayed	2 x M40 Ø 12 to 28 mm 1 x M20 Ø 4 to 13 mm	8150/5-V37-305-51-1010-K	222692	8.36 kg

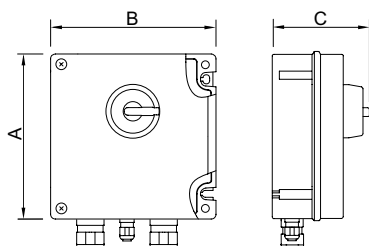
Selection Table

Rated operational current		63 A					
Rated operational voltage AC		690 V / 500 V					
Detailed number of poles	Handle colour	Auxiliary contact NC	Auxiliary contact NO	Cable gland	Product Type	Art. No.	Weight
3-pole	Black shroud and handle	1 NC	1 NO/delayed	2 x M50 Ø 16 to 35 mm 1 x M20 Ø 4 to 13 mm	8150/5-V37-306-51-0010-K	214174	12.6 kg
	Yellow shroud, red handle	1 NC	1 NO/delayed	2 x M50 Ø 16 to 35 mm 1 x M20 Ø 4 to 13 mm	8150/5-V37-306-51-1010-K	222693	12.6 kg
Rated operational current		125 A					
Rated operational voltage AC		690 V / 500 V					
Detailed number of poles	Handle colour	Auxiliary contact NC	Auxiliary contact NO	Cable gland	Product Type	Art. No.	Weight
3-pole	Black shroud and handle	1 NC	1 NO/delayed	2 x M63 Ø 28 to 48 mm 1 x M20 Ø 4 to 13 mm	8150/5-V37-308-51-0010-K	201468	25.6 kg
	Yellow shroud, red handle	1 NC	1 NO/delayed	2 x M63 Ø 28 to 48 mm 1 x M20 Ø 4 to 13 mm	8150/5-V37-308-51-1010-K	222694	25.6 kg

8150/5-V37-...-...-K: Versions with smaller size; see Dimensional Drawings. In this context, special attention must be paid to bending radii, temperature classes and permissible ambient temperatures.

Technical Data

Explosion Protection	
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), China (NEPSI), IECEx (PTB), India (PESO)
Electrical Data	
Notes	Auxiliary contact NO (1 x ON delayed - OFF leading)
Ambient Conditions	
Notes	Information regarding ambient conditions can be found on the Internet at r-stahl.com . WebCode 8150F
Mechanical Data	
Degree of protection (IP)	IP66
Enclosure material	Stainless steel 1.4404, (AISI 316L), brush finished
Seal	Silicone, foamed
Lockable in	3x in 0
Components	
Entry type	Standard 8161, moulded material

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


Safety Switches made of Stainless Steel

Series 8150/5-V37



E7

Version	Rated operational current	Product Type	Dimension A [mm]	Dimension B [mm]	Dimension C [mm]
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
		8150/5-V37-302-50-...	176.5	176.5	132
		8146/5-V37-302-50-0250	227	112.5	172
	20 A	8146/5-V37-303-50-...	170	170	132
	25 A	8146/5-V37-304-50-...	170	170	132
		8150/5-V37-304-50-...	176.5	176.5	132
	40 A	8146/5-V37-305-...-K	340.5	170	176.5
		8146/5-V37-305-...-5..	340.5	340.5	195
		8150/5-V37-305-...-K	360	176.5	194
	63 / 80 A	8146/5-V37-306-...-K	340.5	170	195
		8146/5-V37-306-...	340.5	340.5	195
8146/5-V37-306-...-5..		681.5	340.5	195	
8150/5-V37-306-S1-...		360	360	196	
80 A	8146/5-V37-307-...-5..	681.5	340.5	195	
125 / 160 A	8146/5-V37-308-...-K	681.5	340.5	205	
	8146/5-V37-308-...	681.5	681.5	205	
180 A	8146/5-V37-310-...-K	681.5	340.5	205	
	8146/5-V37-310-...	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