



### Load and Motor Switches Series 8511


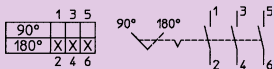
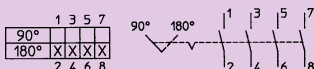
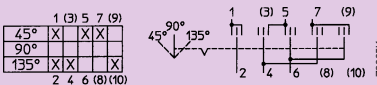
- Explosion protection to
  - CENELEC
  - IEC
- Can be used in Zone 1 and Zone 2
- Motor switching capacity AC 3 to DIN VDE 0660 / IEC 157-1
- Isolating switch characteristics
- Available for rated operating currents of 16 A to 630 A
- Robust enclosures of
  - glass fibre-reinforced polyester resin
  - sheet steel (surge chamber with connection space)
- Large grip, lockable, colours black or yellow/red

STAHL

Type 8511 load and motor switches are used as mains connection switches for distribution units and motor circuits. The standard range of switches have rated currents up to 25 A. Switches for higher rated currents are designed and manufactured to order.

# Zone 1 and Zone 2

**Selection table**

Series	Standard switches	Rated current	P at 400 V AC 3	Ordering code	Compression glands	Weight [kg]
 <p><b>8511</b> Load and motor switches</p>	ON-OFF switches 0 - I 3-pole with N-terminal 	16 A 25 A	7,5 kW 13,5 kW	<b>8511/1 - 102</b> <b>8511/1 - 103</b>	2 x M25 x 1,5 2 x M32 x 1,5	1,2 1,3
	ON-OFF switches 0 - I 4-pole 	16 A 25 A	7,5 kW 13,5 kW	<b>8511/1 - 602</b> <b>8511/1 - 603</b>	2 x M25 x 1,5 2 x M32 x 1,5	1,2 1,3
	Reversing switch 1 - 0 - 2 3-pole 	16 A 25 A	7,5 kW 13,5 kW	<b>8511/1 - 502</b> <b>8511/1 - 503</b>	2 x M25 x 1,5 2 x M32 x 1,5	1,4 1,5

**Add. to ordering code:** Modifications to standard design are available, e.g. red handle with yellow collar for EM-STOP function, different cable entries – specify on order

**Technical data**

Type/Size	8511/1-02 16 A	8511/1-03 25 A		
Explosion protection	EEx de II C T6	EEx de II C T6		
Test certificate	PTB No. Ex-95.D.3155 other certificates: ISSeP (Belgium); PTB (German Federal Republic); CSA (Kanada) TÜV Vienna (Austria); FM, UL (USA); SEV (Switzerland); VNIIEF (Russia); BKI (Hungary)			
Main contacts	max. 8-pole			
Rated operating voltage U <sub>e</sub>	690 V, AC	690 V, AC		
Rated operating current I <sub>e</sub>	16 A	25 A		
Switching capacity	U	P	U	P
AC 3 to VDE 660 Part 104,09.82	230 V	4,0 kW	230 V	7,5 kW
	400 V	7,5 kW	400 V	13,5 kW
	500 V	10,0 kW	500 V	15,0 kW
	690 V	13,0 kW	690 V	22,0 kW
Max. back-up fuse	50 A, gL			
Terminals	4/6 mm <sup>2</sup> , flexible/solid	6/10 mm <sup>2</sup> , flexible/solid		
Enclosure material	Polyester			
Switch handle	in 0-position padlockable in 3 positions Colour: handle black, collar black Special: red handle, collar yellow (EM-STOP function)			
Degree of protection	IP 65			
Life	> 10 <sup>5</sup> Operations			
Ambient temperature	- 20 °C ... + 40 °C			

