

## ZSM4204-102966 (Order no. 102966)

### ZSM, pushbuttons, LED, vibration motor, stop command device

- ▶ 3-stage function
- ▶ Stop command device
- ▶ Vibration signal
- ▶ LED indicator
- ▶ Pushbuttons
- ▶ Straight connecting cable, 5 m



#### 3-stage function

Enabling function is active only in the second stage (center position, actuating point). If the pushbutton is released or pushed further (panic function), the enabling is removed (dependent on the wiring, see function sequence).

#### Stop command device

Dual-channel emergency stop device (red, with pull-to-reset and turn-to-reset button) on the switch housing, for different wiring concepts.

Upper position for rapid access in an emergency

#### Vibration signal

The vibration signal is used for tactile feedback of the enabling position.

#### LED indicator

The LED indicator is used for visual feedback directly at the enabling switch.

#### Pushbuttons

Additional functions can be run directly at the enabling switch using the pushbuttons.

#### Cable

The high-quality connecting cables are available in a straight version.

## Technical data

### Approvals



### Operating and display elements

Item	Color	Extras	Version	Slide-in label	Note slide-in label	Switching element	Number	Designation1	LED
	white		Pushbutton				1		
			Vibration motor				1		
			Emergency stop device				1		
	yellow		LED				1		

### Electrical connection values

Fuse	max. 2 A gG
Connecting cable	23x0.14 mm <sup>2</sup> (screened)
rated conditional short-circuit current	100 A
Rated insulation voltage $U_i$	50 V
Rated impulse voltage $U_{imp}$	0.5 kV
Utilization category	
	DC-13 24V 0.3A (For additional controls)
	DC-13 30 V 0.1 A (For enabling switch, caution: outputs must be protected with a free-wheeling diode in case of inductive loads)
	DC-13 24V 0.01A (For additional indicators)
Switching characteristics	3-stage enabling switch
Degree of contamination (external, according to EN 60947-1)	3

## Mechanical values and environment

Connection type	flying lead
Number of changeover contacts	3 (Connection as per block diagram)
Storage temperature	-25 ... 70 °C
Cable length	straight 5 m
Mechanical life	1 x 10 <sup>6</sup>
Switching principle	Snap-action contact element
Degree of protection	IP54
Ambient temperature	-5 ... 60 °C
Material	PA, CR, TPE (Low PAH)

## Characteristic values according to EN ISO 13849-1 and EN IEC 62061

	<b>Emergency stop</b>
B <sub>10D</sub>	0.1 x 10 <sup>6</sup>
	<b>Enabling switch</b>
B <sub>10D</sub>	0.1 x 10 <sup>6</sup>

## Miscellaneous

in compliance with	60947-5-8
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