

ZSM2301–105075 (Order no. 105075)

ZSM, LED, + and – buttons, vibration motor, stop command device, reset button, plug connector HAN Q17

- ▶ 3-stage function
- ▶ Stop command device
- ▶ Vibration signal optional
- ▶ LED indicator
- ▶ Reset button ©
- ▶ + and – buttons
- ▶ Coiled connecting cable, 3.8 m
- ▶ Plug connector



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

Machine stop (gray/yellow, with pull-to-reset and turn-to-reset) on the switch housing, for different wiring concepts.

Lower position, protected by anti-kink strain relief in case of a fall.

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.

Reset button ©

Button for reset function directly from the enabling switch.

+ and – buttons

These pushbuttons can be configured individually. For example, for moving axes in the positive or negative direction.

Cable

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

Technical data

Approvals



Operating and display elements

Item	Color	Extras	Version	Slide-in label	Note slide-in label	Switching element	Number	Designation1	LED
			Vibration motor				1		
			- button				1		
	gray		Machine stop				1		
	blue		Labeled pushbutton				1		
			+ button				1		
			LED red/green				1		

Electrical connection values

Fuse	max. 2 A gG
Connecting cable	18x0.25 mm ²
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 0.01A
(For additional indicators)
- 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 0.3A
(For additional controls)

Switching characteristics	3-stage enabling switch
Degree of contamination (external, according to EN 60947-1)	3

Mechanical values and environment

Connection type	Plug connector number of pins 17 + PE
Number of changeover contacts	3 (Connection as per block diagram)
Storage temperature	-25 ... 70 °C
Cable length	
coiled, short straight piece of cable on the enabling switch	3.8 m
Mechanical life	1 x 10 ⁶
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

Enabling switch	
B _{10D}	0.1 x 10 ⁶
Machine stop gray	
B _{10D}	0.1 x 10 ⁶

Miscellaneous

in compliance with	60947-5-8
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