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With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# Rohde

# ZH

## **Solenoid Tumbler ZH**

The solenoid tumbler ZH is, in combination with the functional handles on page 268 to 303 a electromechanical locking system for pushable and revolving doors.

# Design and mode of operation:

On the solenoid tumbler, the switching element with interlock is not physically connected to the actuator, but functionally separated or brought together on opening or closing of the door. Interlocking is carried out by a latching bolt, which prevents the actuator from being pulled out of the interlock. By opening and closing the door, switching contacts in the interlock are positively operated. Altogether states like door open/closed or door locked/ unlocked can be found out over these switching contacts.

#### Power to unlock/ Power to lock:

Two variations of interlocking are offered.

In the case of power to unlock, the latching bolt prevents the actuator from being pulled out by spring pressure. When the deinterlocking coil is energized, the interlock is removed. The guarding device can be opened.

For power to lock, the mode of operation is reserved.

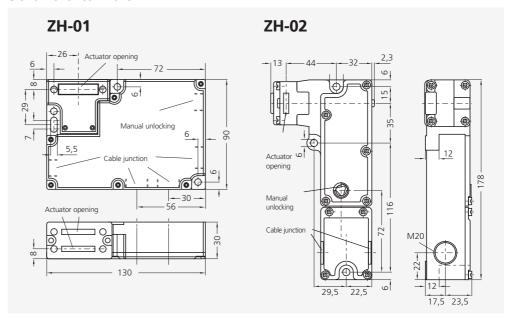
#### Note:

Interlocks in other contact variations and further actuators on request.

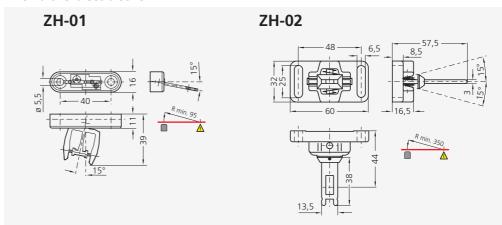




### Solonoid tumbler



## **Movable actuators**



Тур			
,,	Components	Modes of interlock	Order no.
ZH-01	Solenoid tumbler	Power to unlock	ZH-01.R01.01
		Arbeitsstromprinzip Power to lock	ZH-01.A01.01
	Actuator		ZH-01.000.02
ZH-02	Solenoid tumbler	Power to unlock	ZH-02.R01.01
		Power to lock	ZH-02.A01.01
	Actuator		ZH-02.000.02



## **Technical data**

Тур	ZH-01	ZH-02
Standards:	IEC/EN 60947-5-1, BG-GS-ET-19, IEC 60947-5-1	IEC/EN 60947-5-1, BG-GS-ET-19, IEC 60947-5-1
Enclosure:	glass fibre reinforced thermoplastic	glass fibre reinforced thermoplastic
Actuator and locking bolt:	stainless steel 1.4301	Zinc plated steel / zinc diecast, chromated
Contact material:	Silver	Silver
Protection class:	IP 67	IP 67
Termination:	Screw clamps	Screw clamps
Cable section:	max. 1.5 mm² (incl. Conductor ferrules)	max. 1.5 mm² (incl. Conductor ferrules)
Cable entry:	4 x M16 x 1,5	2 x M20 x 1,5
Rated impulse withstand voltage U <sub>imp</sub> :	4 kV	2,5 kV
Rated insulation voltage U <sub>i</sub> :	250 V	250 V
Thermal test current I <sub>the</sub> :	10 A	10 A
Rated operating current/ voltage l <sub>e/Ue</sub> :	2,5 A / 24 VDC	5 A / 24 VDC
Rated control voltage U <sub>s</sub> :	24 VAC/DC	24 VDC
Ambient temperature:	- 25°C+ 60°C	0°C+ 50°C
Holding force F max:	2000 N	1750 N
Actuating head:	3 Actuator openings	Can be repositioned by 4 x 90°

Manual release for manual unlocking by triangular key emergency exit device and emergency release optional available

for manual unlocking by triangular key emergency release available optionally

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Rohde

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