

**NEW**



PRODUCT INFORMATION

**ZH2000-1030**

Safety contactor for high-voltage control boxes

The new Schaltbau safety contactor ZH2000 combines main contactor and disconnecting and earthing function in one device. Mounted in a high-voltage control box, the safety contactor operates like any other main contactor. On opening the control box, a safety loop is being interrupted and the main contactor is switched off electrically. A special feature is that main contacts which may have become welded together are opened by mechanical force. After that the disconnecting and earthing operation is carried out.

**Features:**

- Main contactor with positive opening operation and earthing function in one device
- Can be padlocked for maintenance in disconnected position
- Allows parallel maintenance (also with motorized trains)

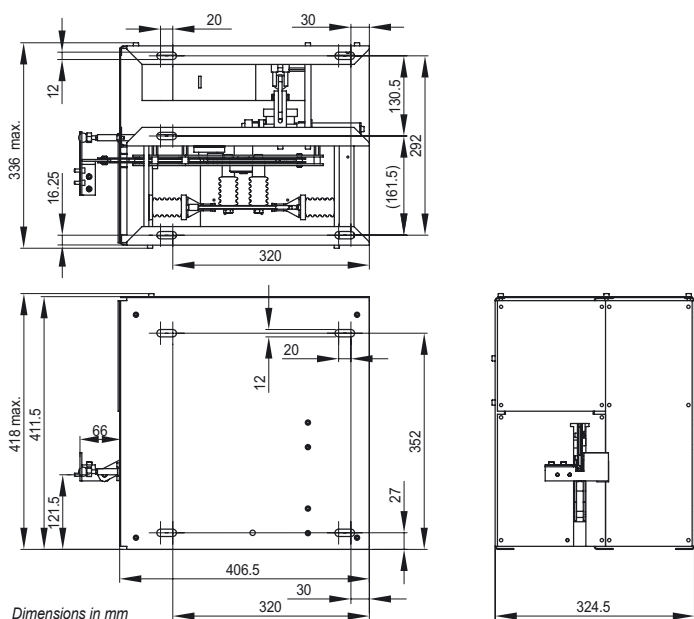
**Applications:**

- Cut-in unit for high-voltage inverters of railway vehicles
- Cut-in unit for inverters for failsafe cutout of supply voltage

**Standard:**

- EN 50155 type test incl. insulation, EMC, vibration/shock

**Dimension diagram**



**Specifications**

Input voltage range to UIC 550	680 V ... 3,000 V AC, 16% ... 50 Hz 900 V ... 3,000 V DC*
Control voltage $U_{nom}$	24 / 120 V DC*
Coil resistance	32 $\Omega$ $\pm$ 5 % at 20° C
Temperature range	-40° C ... +85° C
Vibration, shock	IEC 61373
Degree of protection (IEC 60529)	IP20
Dimensions (W x H x D)	(336 x 418 x 406) mm

\* others on request

Ordering code: Example: **ZH2000-1030 24ER-O2**

<b>Series</b>	ZH2000	1 pole DC NO contactor (CH1030)
<b>Coil voltage</b>	24 / 120 V DC	
<b>Coil tolerance</b>	E	-30 % ... +25 %
<b>Coil suppression</b>	R	Suppressor diode RD
<b>Aux. contact, Type and number of</b>	O2 / P2	2x S800 b / 2x S826 b, SPDT