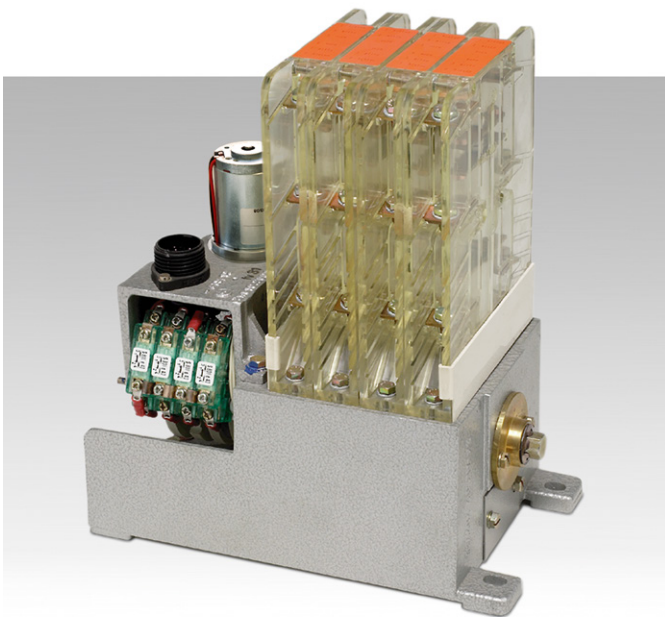


PRODUCT INFORMATION

CO3, CO4

High-voltage changeover unit
for rail vehicles



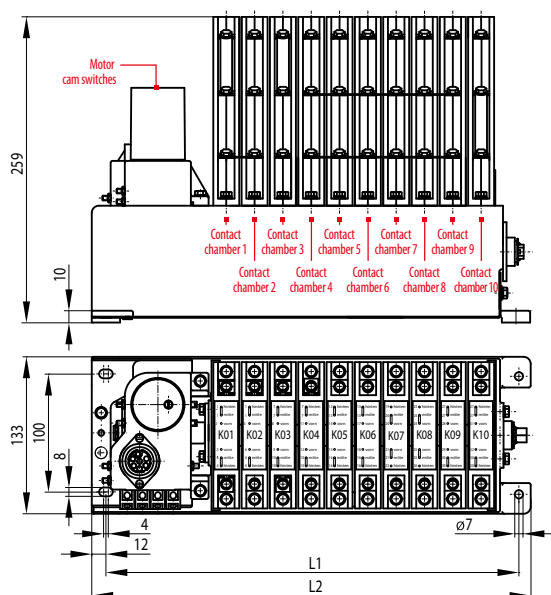
Schaltbau changeover units are designed for adjusting electrical configurations of power supplies and heating systems to a change of voltage. They are applied in rail vehicles which are used in cross-border service where they have to cope with different high-voltage power sources.

Required control signals are generated by the corresponding voltage selector ZH1114.

Features

- Load-free adjustment of electrical configurations to different networks, e.g. various train line voltages in accordance with UIC 550
- Suitable for all UIC voltages up to 5 kV DC
- Suitable for high conventional thermal currents up to 50 A
- Various control programmes available in accordance with the requirements of the European railway companies
- Simple adaptation of control programme to new requirements

Dimension diagram



Dimensions in mm

Specifications

CO3 series CO4 series	3-Stellungsgerät 4-Stellungsgerät
Input voltage range to UIC 550	0 ... 3,000 V AC, 16% ... 50 Hz 0 ... 3,000 V DC *
Conv. thermal current I_{th}	50 A / 70 A ** at 70 °C ambient temperature
Control voltage U_{nom}	24 / 36 / 110 V DC
Power dissipation	approx. 12 W during change-over, otherwise none
Number of contact chambers	2 4 6 8 10
Mounting holes L1 in mm	158 204 254 300 350
Length L2 in mm	180 228 276 324 372
Temperature range	-40° C ... +85° C
Standards	EN 50124, EN 60077, EN 50163, VDE 0660, UIC 550