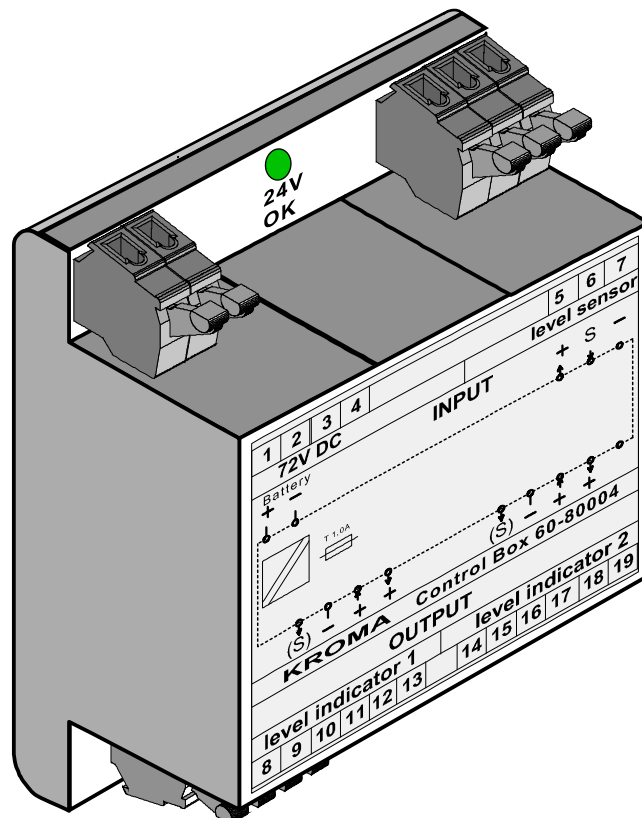


Control Box



CB

KROMA
FÜLLSTANDSMESSTECHNIK GmbH
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CB Control Box

Description

KROMA control boxes, type CB, serve to connect KROMA's proven display units to a supply voltage of 72 V or 110 V and to feed the measuring signal to two display units.

The control box permits economical wiring, and thus helps to reduce costs.

A maximum of two analogue band or digital display units and one sensor can be connected to the CB. Depending on the version chosen, either a KROMA filling level sensor or a pressure sensor with 24 V supply can be used as level sensor. If a pressure sensor is connected, an integrated potentiometer allows for adjustment. The optional control input allows the control signal to be electrically isolated fed to the display units. Apart from the standard version for top-hat rail mounting, the CB is also available in a tight enclosure.

Special Features

- Integrated DC/DC converter
- Connection of up to one level sensor and two display units
- Terminals, either as spring clamp or fast-on terminals
- Optional control input
- Approved for use on rail vehicles, compliant with EN 50155 and EN 50121-3-2

Technical Data

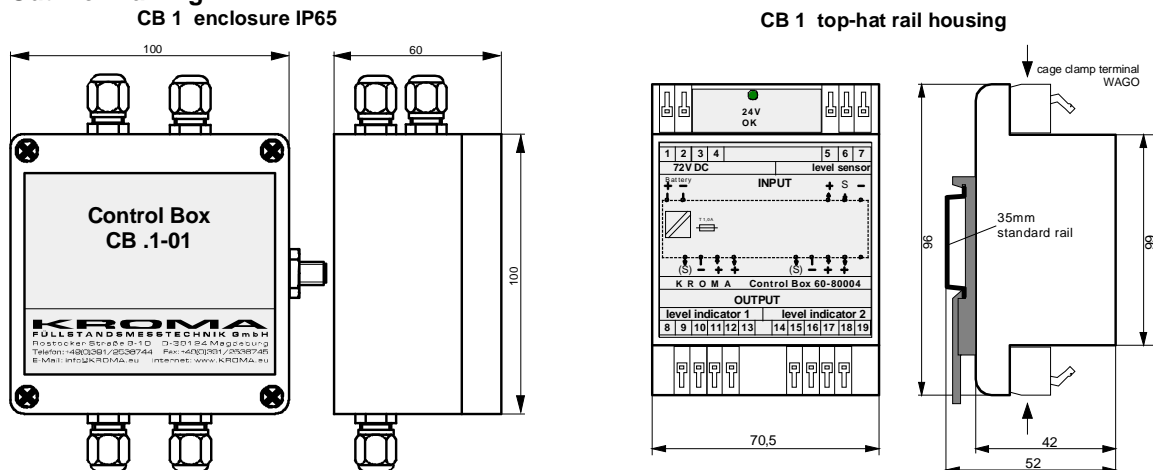
Input supply voltage:	43 .. 160V DC
Standby input current pin 1-2:	< 10 mA
Standby power (no indicator ON):	< 0,7 W at 72V DC
Input supply current pin 1-2:	< 110 mA
Total power consumption	8 W at 72V DC
Input pin 3-4 (if installed):	72...110V, 5mA , optocoupler
Output voltage for sensor and indicators::	24V DC +/- 5%
Input level signal:	0 .. 10V or 3-wire resistor sensor MWA
Output level signal for indicators:	0,0 ... 5,0V
Ambient temperature range:	-40°C to +70°C
Storage temperature range:	-55°C to +70°C
Vibratory strength:	EN61373 , 2,83 m/s ² (5 - 150 Hz)
Shock resistance:	50 m/s ²
Environment:	EN60068-2-1, EN60068-2-2, EN60068-2-30
Weight :	0,15 kg
Degree of protection :	housing IP40, connectors IP 20
Fixation:	top-hat DIN rail 35mm, EN 50022
Housing material :	Polyamide PA 6 UL94-HB
Electrical connection :	WAGO Cage Clamp ® or 2,8/6,3mm fast-on
Isolation Voltage (1minute) Input to Output:	1600V
Isolation resistance :	>1 GΩ
Isolation capacity	< 3000 pF
Switching Frequency :	typ. 330 KHz
MTBF	1.630×10 ⁶ h (Bellcore TR-NWT-000332, TC=40 °C) 4.950×10 ⁵ h (MIL-HDBK-217F)

Information required with order

KROMA CB 1 control box
Customized version (drawing number)

CB 1 - (69-80xxx)

Outline Drawing



Subject to technical modifications.