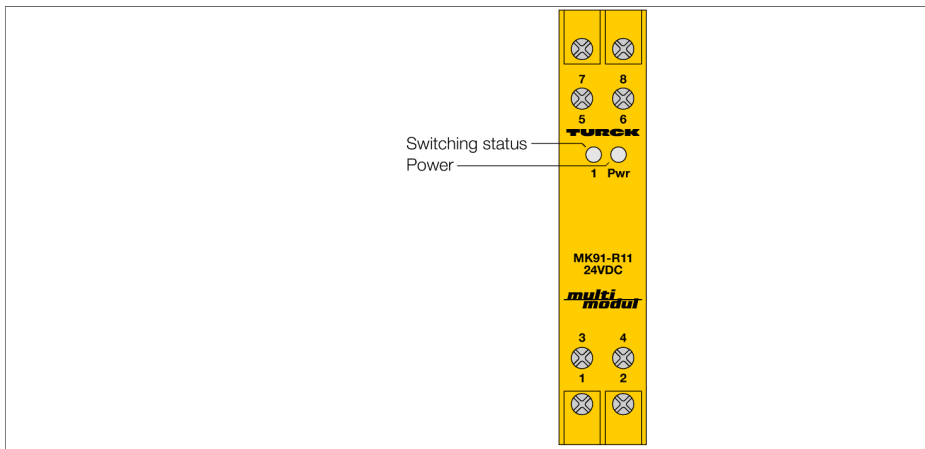


**Level controller
1-channel
MK91-R11/24VDC**



The 1-channel level control MK91-R11/24VDC regulates conductive liquid levels. Electrodes connected to the device analyse the resistance of the liquid against the body of the container.

A rectangular AC voltage signal is applied to the electrode. This enables DC-free and therefore electrolytic-free measurement of the liquid resistance.

The device has one relay output with on changeover contact.

The switch point of the level controller is set to $R_w = 40 \text{ k}\Omega$ (different values on request). If the response sensitivity falls below the set point, the relay is energized with a delay of 10 s.

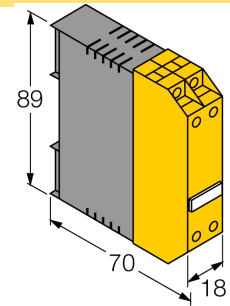
The switching status of the output is indicated by a yellow LED and operational readiness by a green LED.

The device provides protection against revers polarity and transient overvoltage.

- **Switching point at 40 k Ω**
- **Hysteresis approx. 5%**
- **Output: Relay with 1 changeover contact**
- **Complete galvanic separation**

**Level controller
1-channel
MK91-R11/24VDC**

Dimensions



Type	MK91-R11/24VDC
Ident-No.	7525202
Nominal voltage	24 VDC
Operating voltage range	19...29 VDC
Power consumption	≤ 0.5 W
Input circuits	2 electrodes
Schaltpunkt	40 kΩ
Probe voltage	±2 V/50 μA/3 Hz
Hysterese	5%
Output circuits (digital)	1 x relay (change-over)
Relay switching voltage	≤ 250 VAC/120 VDC
Switching current per output	≤ 3A
Switching frequency	≤ 5 Hz
Contact quality	AgNi, 3μ Au
Galvanic separation	
Test voltage	4.0 kV
Rated voltage	250 V
Indication	
Operational readiness	green
Switching state	yellow
Protection class	IP20
Ambient temperature	-25...+60 °C
Storage temperature	-40...80 °C
Dimensions	89x 18x 70 mm
Weight	78 g
Mounting instruction	For mounting on DIN rail or mounting panel
Housing material	Polycarbonate/ABS
Electrical connection	4 x 2-pole flat terminals with self-lifting pressure plates
Terminal cross-section	1 x 2.5 mm ² / 2 x 1.5 mm ²