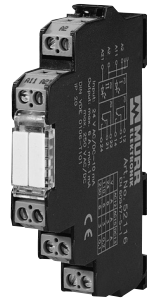
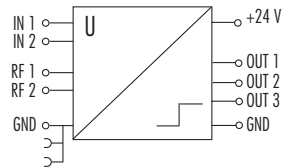


Comparator modules
Voltage input
with enhanced features

MAK
input signal
voltage DC



Circuit diagram



Ordering data

spring clamp/screw terminals

Art.-No.

6644110

Technical data

Supply voltage range	20...30 V DC, smoothed
Supply current	30 mA (no load), max. 0.8 A (full load)
Input voltage resp. input current	2 x 0...30 V DC (IN 1, IN 2)
Input resistance	100 kOhm
Time constant	approx. 10 ms
Input hysteresis	< 0.5 % from end value, max. 150 mV
Output	3 transistor outputs
Output current	max. 0.7 A per channel, short-circuit protected, pulse switched
Temperature range	0...+50 °C
Mounting method	DIN-rail mounting to EN 60715
Dimension	H x W x D 90 x 12.4 x 65 mm

Description

The DC- or AC-voltage comparator for analog voltage, which, i. e. will generate from pressure, temperature, or other sensors. The analog input values are compared to internal or external reference voltages to over or underflow. Outputs will be switched, dependend on defined limits.

Characteristics:

- 2 separable measuring channels (no galvanic separation, and only by comparator service)
- 2 operating modes (comparator/window discrimination)
- adjustable reference voltage (internal/external) per channel
- adjustable outputs (negated/not negated) per channel, (only by comparator service)
- compact equipment (12.4 mm)
- higher switched current at output
- output state display through LED
- simple configuration of the modules with DIP-switch

Notes

For screw-type terminal connection, the item number changes from 6644... in...44... (e.g. prefix 66 is dropped)