

## ACTIVE INTERFACE TECHNOLOGY

### Comparator module

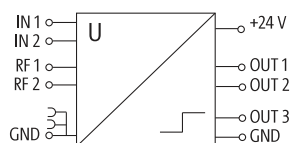
– voltage input  
with bridge system

#### MAK 12.4

Input signal voltage DC  
Adjustable via DIP switch



#### Circuit diagram



#### Ordering data

Art.-No.

Input voltage Spring clamp/screw terminals

24 V DC

6644110

#### Technical data

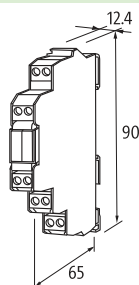
Supply voltage range	20...30 V DC, smoothed
Supply current	30 mA (no load), max. 0.8 A (full load)
Input voltage or input current	2 x 0...30 V DC (IN 1, IN 2)
Input resistance	100 kOhm
Input range	–
Time constant	approx. 10 ms
Input hysteresis	< 0.5 % of final value, max. 150 mV
Output	3 transistor outputs
Output current	max. 0.7 A per channel, short-circuit protected, switched positive
Temperature range	0...+50 °C
Mounting method	DIN-rail mounting acc. to EN 60715

#### Description

The DC- or AC-voltage comparator serves for evaluating analog voltages, generated e.g. by 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, dependent on defined limits.

- 2 separable measuring channels, no galvanic separation (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)
- higher switched current at output
- output state display through LED

#### Dimension drawing



For Derating and Switching capabilities  
see Murrelektronik online shop

[onlineshop.murrelektronik.com](http://onlineshop.murrelektronik.com)

#### Notes

For screw terminal connection, the article number changes from 6644... to 44... (i.e. the prefix 66 is dropped).  
Accessories can be found on page 1.13.19.