

MAK VOLTAGE COMPARATOR MODULE

IN: 2 × 30VDC / OUT: 24V / 0,7A

Art.No.: 44110

Weight: 0.06

Country of origin: CZ

Model designation: MAK UDC 12.4 / SCHRAUBKLEMMEN

2 × 0...30 V DC (IN 1, IN 2)

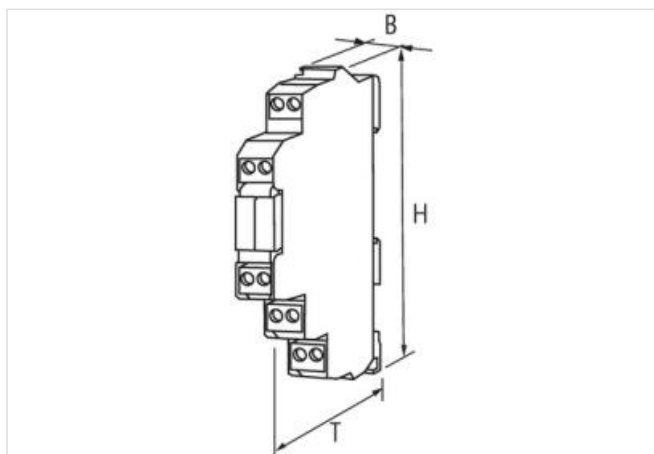
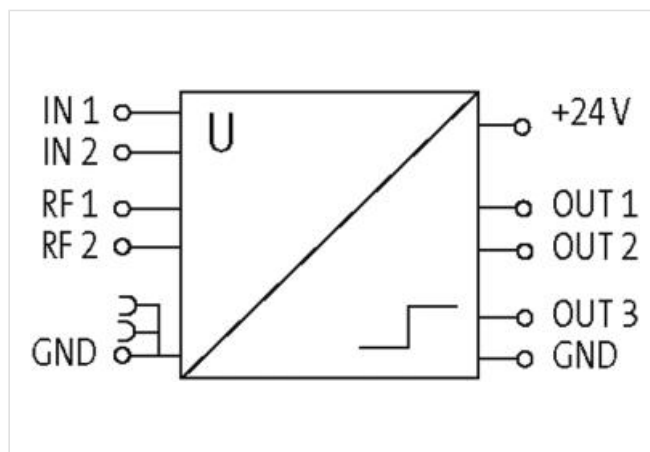
Screw terminals

with bridge system

The DC- or AC-voltage comparator serves for evaluating analog voltages, generated 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. Features: - 2 separate measuring channels (no galvanic separation), (only by comparator service) - 2 operating modes (comparator/window discriminator) – adjustable reference voltage (internal/external) per channel – adjustable output (inverted/not inverted) per channel, (only by comparator service) – compact design (12.4 mm) - higher switched current at output - output state display through LED – Easy configuration of the module via DIP switch

[Link to Product](#)

Illustration



Product may differ from Image

**Commercial data**

ECLASS-6.0	27210990
ECLASS-6.1	27261610
ECLASS-7.0	27261610
ECLASS-8.0	27261610
ECLASS-9.0	27261610
ECLASS-10.1	27261610
ECLASS-11.1	27261610
ECLASS-12.0	27261610
ETIM-5.0	EC002477
customs tariff number	85437090
customs tariff number	85437090
EAN	4048879028547
EAN	4048879028547
Packaging unit	1
Packaging unit	1

Electrical data | Supply

Operating voltage DC min.	20 V
Operating voltage DC max.	30 V
Operating current max.	0,8 A
Open-circuit current	30 mA

Electrical data | Input

Input voltage DC min.	0 V
Input voltage DC max.	30 V
Input resistance measuring input per channel min.	100 kΩ
Input resistance reference input per channel min.	100 kΩ
Hysteresis measuring input per channel	0,5 %
Hysteresis measuring input per channel max.	150 mV
Time constant measuring input per channel	10 ms

Electrical data | Output

Number of transistor outputs	3
Output current per channel max.	0,7 A

Device protection | Electrical

Short-circuit protected	yes
Pulse switching	yes

Mechanical data | Mounting data

Mounting method	geschnappt
Suitable for mounting type	mounting rail, (EN 60715)
Height	90 mm
Width	12,4 mm
Depth	70 mm

Environmental characteristics | Climatic

Operating temperature min.	0 °C
Operating temperature max.	50 °C

Connection type 5

Connection	Screw terminals SK
Family construction form	terminal
Gender	female
No. of poles	2
PIN 1	0 V
PIN 2	0 V
Connection	Screw terminals SK
Family construction form	terminal
Gender	female
No. of poles	2
PIN 1	RF 1
PIN 2	RF 2
Connection	Screw terminals SK
Family construction form	terminal
Gender	female
No. of poles	2
PIN 1	In 1
PIN 2	In 2
Connection	Screw terminals SK
Family construction form	terminal
Gender	female
No. of poles	2
PIN 1	OT 3
PIN 2	OT 2
Connection	Screw terminals SK
Family construction form	terminal
Gender	female
No. of poles	2
PIN 1	OT 1
PIN 2	+ 24 V DC