

## MAK VOLTAGE COMPARATOR MODULE

IN: 2 × 30VDC / OUT: 24V / 0,7A

Art.No.: 44110

Weight: 0.060 kg

Country of origin: CZ

Model designation: MAK UDC 12.4 / SCHRAUBKLEMMEN

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 2× 0...30 V DC (IN 1, IN 2)

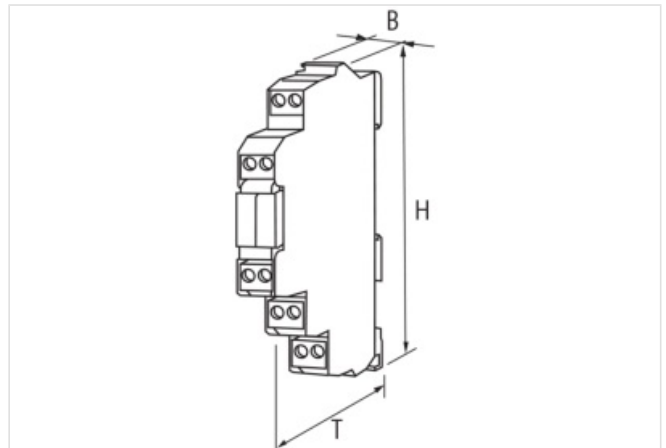
Screw terminals  
with bridge system

### Link to Product

#### Illustration



Product may differ from Image



#### Header

Material short text      MAK UDC 12.4 / SCHRAUBKLEMMEN

#### Commercial data

URL Webshop	<a href="https://shop.murrelektronik.com/44110">https://shop.murrelektronik.com/44110</a>
GTIN	4048879028547
ECLASS-6.0	27210990
ECLASS-6.1	27261610
ECLASS-7.0	27261610
ECLASS-7.1	27261610
ECLASS-8.0	27261610
ECLASS-8.1	27261610
ECLASS-9.0	27261610
ECLASS-9.1	27261610

ECLASS-10.0.1	27261610
ECLASS-10.1	27261610
ECLASS-11.0	27261610
ECLASS-11.1	27261610
ECLASS-12.0	27261610
ECLASS-13.0	27261610
ECLASS-14.0	27261610
ETIM-5.0	EC002477
ETIM-6.0	EC002477
ETIM-7.0	EC002477
ETIM-8.0	EC002477
customs tariff number	85437090
EAN	4048879028547
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 reference input per channel min.	100 kΩ
Input resistance measuring input per channel min.	100 kΩ
Time constant measuring input per channel	10 ms
Hysteresis measuring input per channel	0,5 %
Hysteresis measuring input per channel max.	150 mV

#### Electrical data | Output

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

#### Device protection | Electrical

Short-circuit protected	Yes
Pulse switching	Yes

#### Mechanical data | Mounting data

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

#### Environmental characteristics | Climatic

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

#### Connection type 5

Family construction form	terminal
No. of poles	2
Gender	female
Connection	Screw terminals SK
PIN 1	0 V
PIN 2	0 V
Family construction form	terminal

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