

MAK VOLTAGE COMPARATOR MODULE

IN: 2 × 30VDC / OUT: 24V / 0,7A

Art.No.: 6644110

Weight: 0.040 kg

Country of origin: CZ

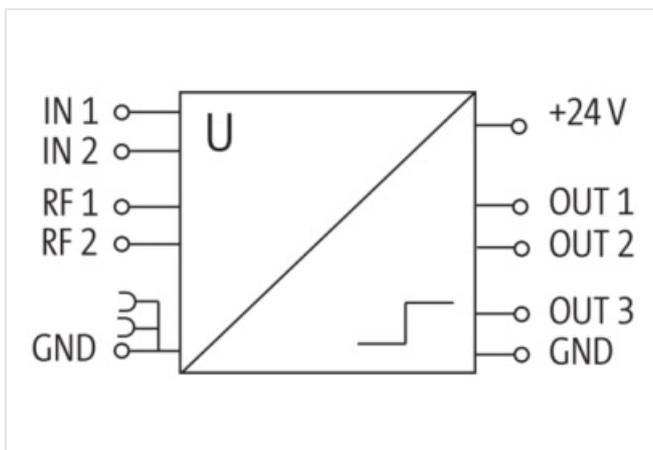
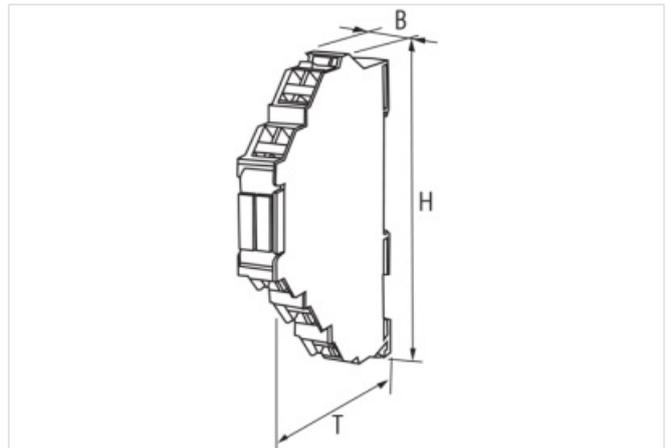
Model designation: MAK UDC 12.4 / FEDERKRAFTKL.

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)

Spring clamp terminals
with bridge system

[Link to Product](#)

Illustration



Product may differ from Image



Header	
Material short text	MAK UDC 12.4 / FEDERKRAFTKL.
Commercial data	
URL Webshop	https://shop.murrelektronik.com/6644110
GTIN	4048879022538
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	4048879022538
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 k Ω
Input resistance measuring input per channel min.	100 k Ω
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	80 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
Color contact carrier	green
Connection	Spring clamp terminals FK
PIN 1	0 V
PIN 2	0 V
Family construction form	terminal
No. of poles	2
Gender	female
Color contact carrier	green
Connection	Spring clamp terminals FK
PIN 1	RF 1
PIN 2	RF 2
Family construction form	terminal
No. of poles	2
Gender	female
Color contact carrier	green
Connection	Spring clamp terminals FK
PIN 1	In 1
PIN 2	In 2
Family construction form	terminal
No. of poles	2
Gender	female
Color contact carrier	green
Connection	Spring clamp terminals FK
PIN 1	OT 3
PIN 2	OT 2
Family construction form	terminal
No. of poles	2
Gender	female
Color contact carrier	green
Connection	Spring clamp terminals FK
PIN 1	OT 1
PIN 2	+ 24 V DC