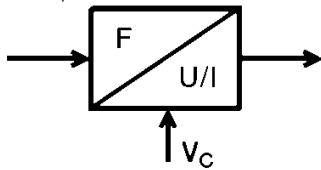


Frequency Signal Conditioners

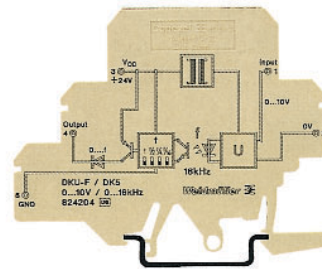
- Screw connection
- LED-display
- Adjustable frequency output
- Multiplex capable



For EMC reasons, frequency processing modules must be used in conjunction with shielded cables. This measure prevents interference of analog and frequency signals by other signal cables and vice versa.

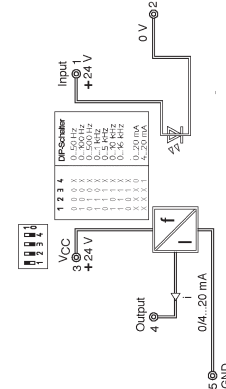
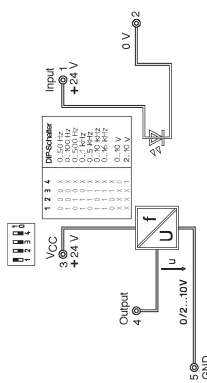
DKA f/U

DKA f/I



Block diagram/settings

1	2	3	4	DIP switch
0	0	0	X	0...50 Hz
1	0	0	X	0...100 Hz
0	1	0	X	0...500 Hz
1	1	0	X	0...1 kHz
0	1	1	X	0...5 kHz
1	0	1	X	0...10 kHz
1	1	1	X	0...16 kHz
0	0	1	X	Customer specific
X	X	X	0	0...20 mA/0...10 V
X	X	X	1	4...20 mA/2...10 V



Ordering data

for TS 32 
 for TS 35 
 with combi foot TS 32/TS 35

Technical data

Input ranges
 Overload limits, input
 Input resistance
 Voltage drop, input
 Output
 Output frequency, end value
 Frequency adjustment
 Readjustment range
 Output level
 Output current
 Display
 Decoupling diode

Supply voltage
 Power consumption
 Making current limit
 Polarization protection

Accuracy

Coordination of insulation to DIN VDE 0160, Draft 11/94

Voltage strength input/output
 Rated voltage
 Rated surge voltage
 Overvoltage category
 Voltage strength to mounting rail
 Operating temperature
 Storage temperature
 Overall width
 Conductor cross-section

Dimensions and accessories see

Type

Part No.

DKA f/U **8283810001**

0...50/100/500 Hz
 0...1/5/10/16 kHz

10 kΩ

0/2...10 V

DIP switch

24 VDC ±10%

32 mA + I_{Load}

yes

0.5% (8-bit resolution)

2.5 kV

4 kV_{eff}

0°C...+50°C

-25°C...+60°C

6 (.24)

0.5...4 mm² (20...12 AWG)

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Type

Part No.

DKA f/I **8311870001**

0...50/100/500 Hz
 0...1/5/10/16 kHz

10 kΩ

0/4...20 mA

DIP switch

24 VDC ±10%

32 mA + I_{Load}

yes

0.5% (8-bit resolution)

2.5 kV

4 kV_{eff}

0°C...+50°C

-25°C...+60°C

6 (.24)

0.5...4 mm² (20...12 AWG)

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