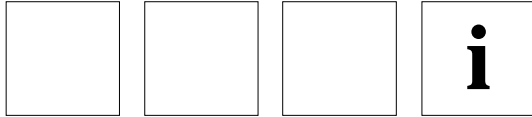


## Distributor-Box IV-20



- **Module with Incremental-Encoder-connection (K0, /K0, K1, /K1, K2, /K2)**
- **Four operating modes for adaptation to the signal source**
- **Six output channels with adjustable output levels (5VDC, 11-30VDC)**

## Electrical Data

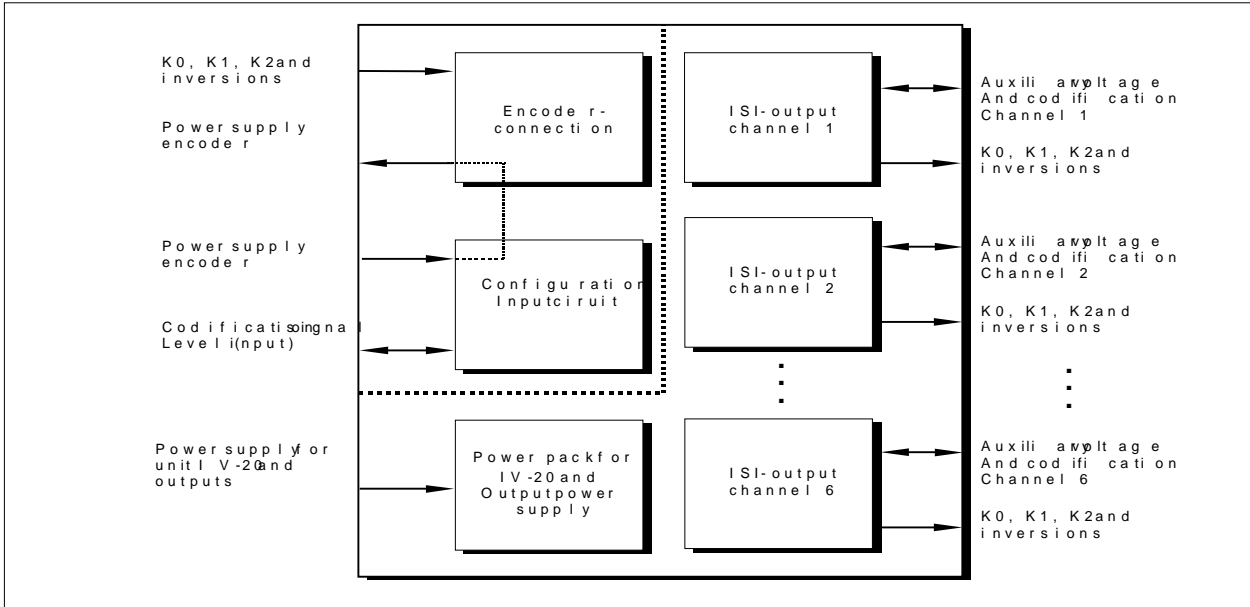
Operating Voltage.....	11-30 V DC
Reverse Battery Protection.....	yes
Transient Voltage Protection.....	ESD
Excess Current Release .....	VDE 0113
Filter Groups.....	IEC 1000-4-x
Power Dissipation (No Load) .....	< 4 Watt
Min./Max. Input Current per Trace .....	1,5mA / 20mA (diode current Optocoupler)
Encoder-Module .....	Incremental-serial, electrically isolated from the outputs
Incremental Signal .....	K0, /K0, K1, /K1, K2, /K2
Max. Pulse Frequency.....	150 kHz
Pull-Up/Pull-Down - Resistance .....	1kΩ
Operating modes (signal source adaptation).....	adjustable via a jumper coding
Basic Configuration.....	Differential +5 VDC
Basic Configuration.....	Differential +(11-30) VDC
Single-Phase.....	Push-Pull +(11-30) VDC
Single-Phase.....	Open-Collector +(11-30) VDC
Single-Phase.....	Open-Emitter +(11-30) VDC
Number of Output Channels .....	6
Output Level .....	adjustable via a jumper coding
Differential.....	5 VDC, 30 mA
Differential.....	+(11-30) VDC, 30 mA
Optional	
Aux. Voltage Output .....	+5 VDC for galvanically uncoupled +5 VDC encoder, max. 200 mA

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## Environmental Data

Electromagnetic compatibility (EMC) .....	EN 61000-4-2 (IEC-801-2) / EN 61000-4-4 (IEC-801-4)
Operating temperature.....	0 bis +60°C
Storage temperature range.....	-20 bis +50°C
Protection .....	IP 30 (DIN 40 050)

**Block diagram IV-20**



**Dimensional Drawing**

