Axis Cassette AK-41

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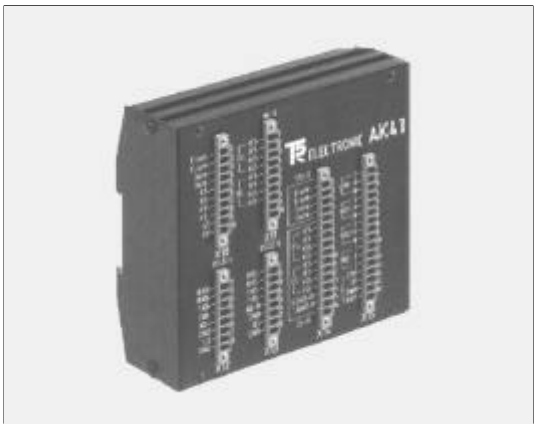

- **Axis Cassette with SSI-Encoder connection (28 bit + 15 bit checksum)**
- **Free programmable encoder parameters via the Axis Cassette**
- **Encoder and self-monitoring**
- **Dynamic camshaft gear**
- **Output interfaces: Profibus-DP, Synchronous-Serial, Analog, Parallel**

Electrical Data

Operating Voltage	11-27 V DC
Power Dissipation (no encoder/load)	< 6 W
Programming Unit	PC IBM compatible (EPROG)
Programming Interface	RS485
SSI Encoder-Connection	SSI (synchronous-serial), RS422
Clock Output	TTL
Data Input	Opto-coupler
Encoder Type	SSI Binary with 28 data bits + 15 bit checksum
Cycle Time (according to equipment)	320 µs to max. 1 ms
Equipment Basic Unit	
Synchronous Serial Data Interface	Data: 2-wire acc. to EIA RS-422 / Clock: Opto-coupler input
Monoflop Period	21 µs
Minimum Frequency for SSI Clock Pulse	95 kHz
Space between SSI-Bundles of Clock Pulses	min. 42 µs
Profibus-DP Data Interface	Protocol according to DIN E 19 245 T.3
Standard Baud Rate	9,6 kbaud to 1,5 Mbaud, additional 3 to 12 MBaud (option)
Station Addresses	3 to 99, adjustable via BCD-switches
Parallel Data Interface	16 outputs, Push-Pull / 100mA (short-circuit-proof)
Control Inputs	2 x Preset (electronic adjustment), Latch
Status Outputs	UP, DOWN, OVERSPEED, ERROR
Optional	
Parallel Extensions	48, 80 or 112 outputs, 100 mA short-circuit-proof
Analog Extensions	-10…+10 V, min. 500 Ω or 0...20 mA max. 500 Ω

Environmental condition

Electromagnetic compatibility (EMC)	EN 61000-4-2 (IEC-801-2) / EN 61000-4-4 (IEC-801-4)
Operating temperature range	0 to +60°C (option -20 to +70°C)
Storage temperature range	-20 to +50°C
Protection	IP 30 (DIN 40 050)

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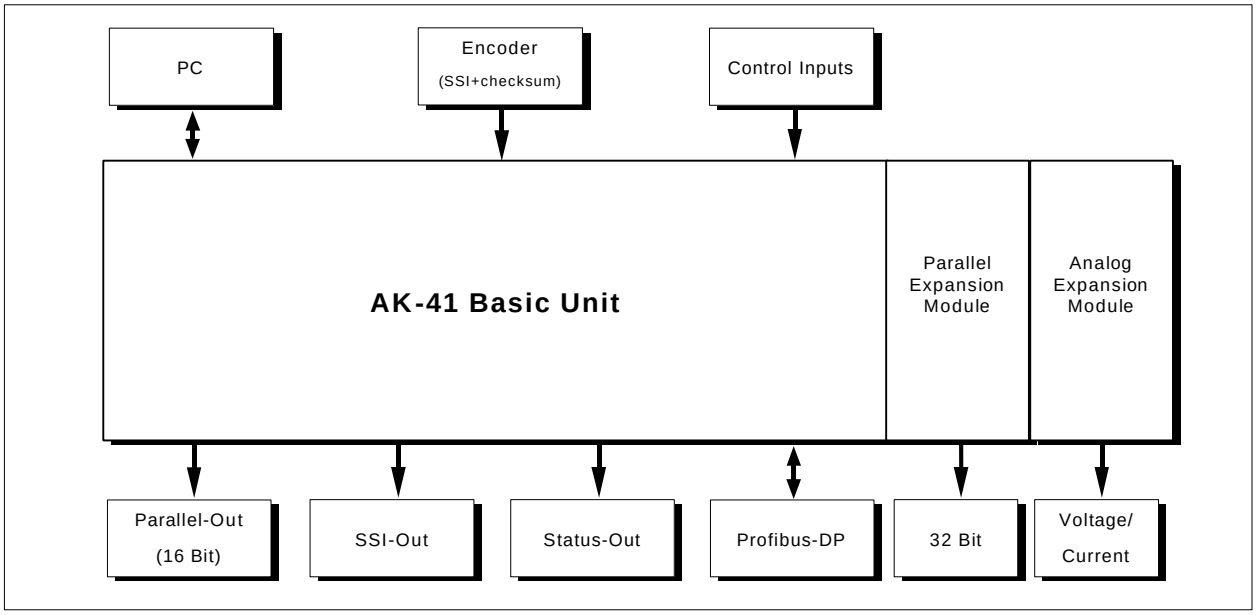
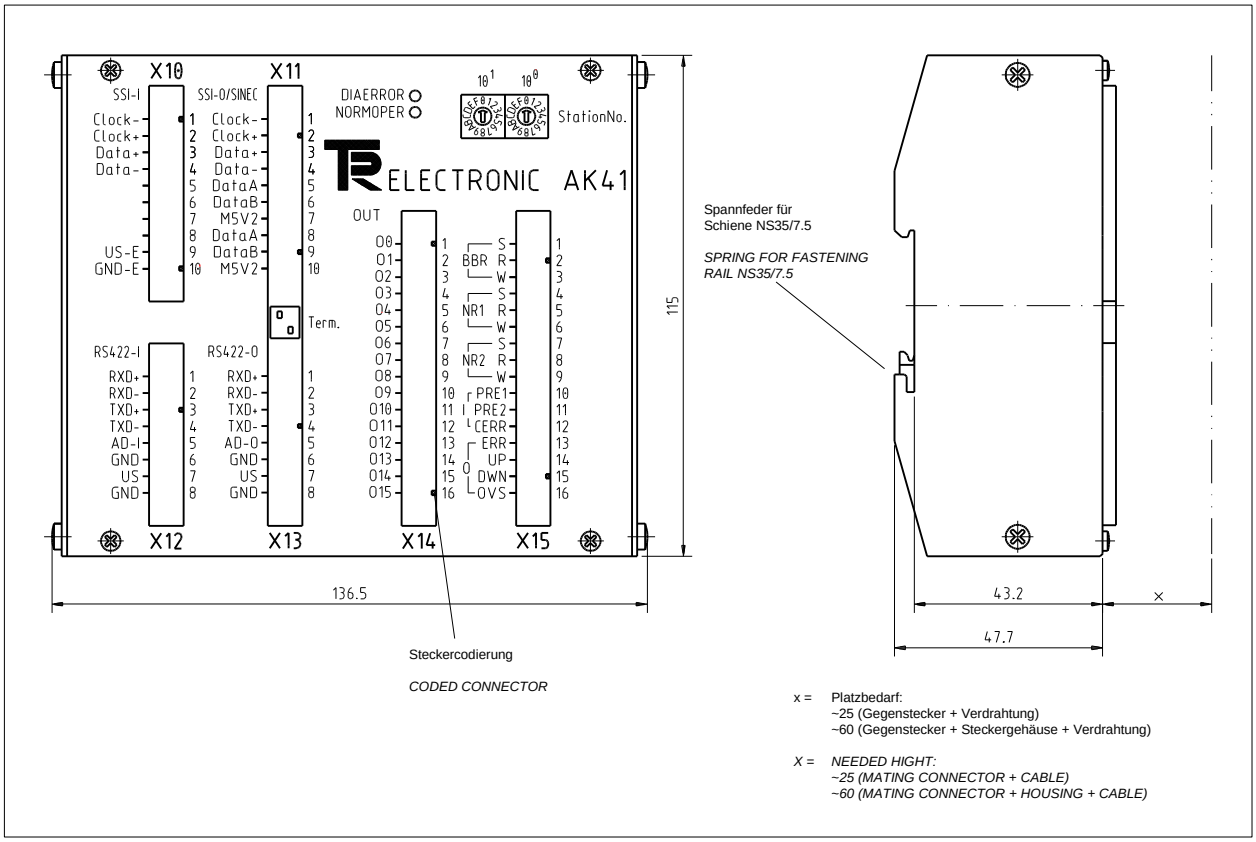
Block diagram AK-41



Dimension drawing base device



x = Platzbedarf:
~25 (Gegenstecker + Verdrahtung)
~60 (Gegenstecker + Steckergehäuse + Verdrahtung)

X = NEEDED HIGHT:
~25 (MATING CONNECTOR + CABLE)
~60 (MATING CONNECTOR + HOUSING + CABLE)