

#### **BACKGROUND AND TECHNOLOGY**

### LINEAR BUS TOPOLOGY

### **NETWORK SPECIFICATION**

## **Basics of Absolute Encoders ACURO**

# **DeviceNet**

### Background

- · The basic technology was developed by Allen-Bradley
- Introduced in March 1994
- The ODVA (Open DeviceNet Vendor Association) was founded in April 1995

### Technology

- CAN-Layer 2 (Data Link Layer) ISO 11898 Devices from various manufacturers can and 11519-1
- DeviceNet covers layer 7 (Application Layer) and layer 1 (Physical Layer), develo ped for industrial automation

#### Main benefits

- · Reduced cabling and installation effort
- Reduced run-in time
- Reduced down-time
- Fast error elimination
- Devices can be removed, replaced and inserted without having to shut the network down
- be exchanged
- Devices are configured over the network •





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