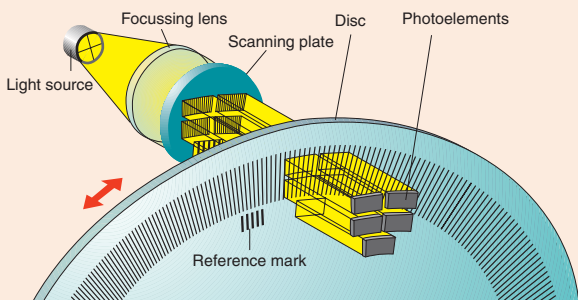


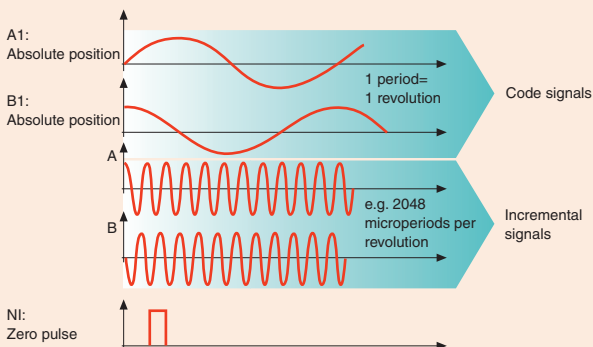
Incremental encoder sin/cos 1 V_{pp}

Principle of Operation: Photoelectric Scanning



G_DA65_EN_00050a

Output Signals



G_DA65_EN_00052a

Technical Data

Supply voltage:	+5 V $\pm$ 5%
Incremental signals (sinewaves):	
• Voltage:	1 V _{pp}
• PPR count:	2,048
• Accuracy:	$\pm$ 40"
Code signals:	
• Voltage:	1 V _{pp}
• Signal type (C and D track):	1 sine and 1 cosine signal /revolution
Use:	Synchronous servo motors 1FT6, 1FK7, 1FS6, 1FW3 Asynchronous servo motors 1PH7, 1PL6, 1PH4
Max. possible connection cable length:	100 m (328.2 ft)

Note about principle of operation diagrams:

These principle of operation diagrams for incremental and absolute encoders have been reprinted with kind permission from the catalog of DR. JOHANNES HEIDENHAIN GmbH, Traunreut, Germany.

- 1) Absolute encoder (EnDat) with 2,048 pulses/revolution for motors 1FT6, 1FK7, and 1FS6 for shaft height 48 and higher; 1FW3 and all asynchronous motors.