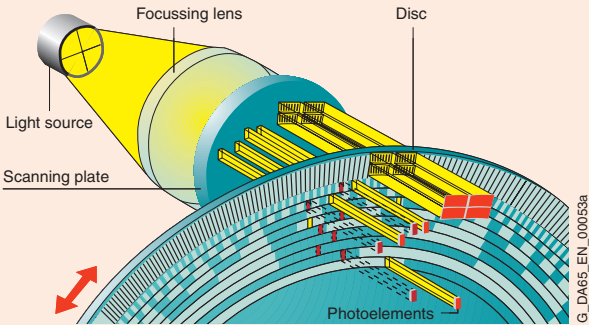
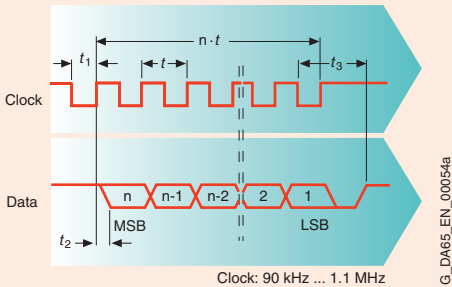


Absolute Encoder (EnDat)

Principle of Operation: Photoelectric Scanning



Output Signals (Serial Interface)



Technical Data

Supply voltage:	+5 V $\pm$ 5%
Incremental signals (sinewaves):	
• Voltage:	1 V _{pp}
• PPR count:	2,048 / 512 / 32 ¹⁾
• Accuracy:	$\pm 40''$ / $\pm 80''$ / $\pm 400''$
Code signals:	Synchronous serial EnDat interface Dual code 4,096 encoded revolutions
Use:	Synchronous servo motors 1FT6, 1FK7, 1FS6, 1FW3 Asynchronous servo motors 1PH7, 1PL6, 1PH4
Max. possible connection cable length:	100 m (328.2 ft)

- Absolute encoder (EnDat) with 512 pulses/revolution for 1FT6 motors for shaft height 28 and 1FK7 motors for shaft heights 28 and 36.
- Simple absolute encoder (EnDat) with 32 pulses/revolution for 1FK7 motors, axis height 48 and higher