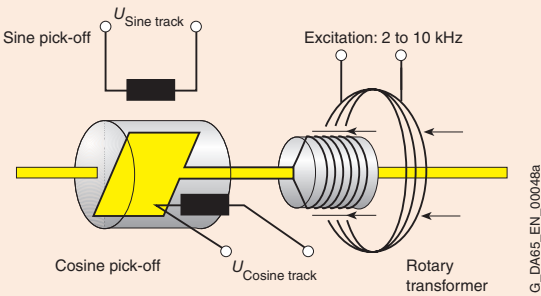
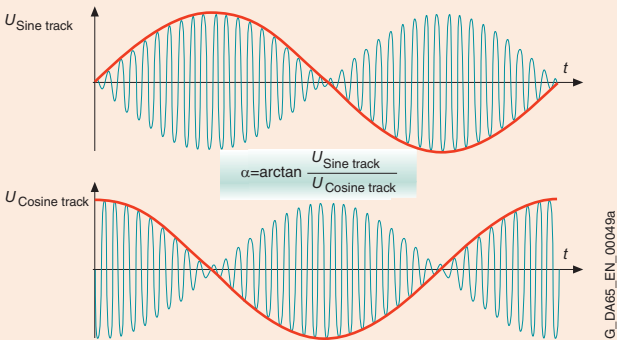


Resolver, 2-pole/multipole ¹⁾

Principle of Operation: Inductive Scanning,
sin/cos Evaluation for Rotor Position



Output Signals



Technical Data

Operating voltage/frequency	+5 V/ 4 kHz
Output signals ²⁾ :	$U_{\text{sine trace}} = \ddot{u} \cdot U_{\text{Excitation}} \cdot \sin \alpha$ $U_{\text{cosine trace}} = \ddot{u} \cdot U_{\text{Excitation}} \cdot \cos \alpha$
Ratio:	$\ddot{u} = 0.5 \pm 5\%$
Width of the angular error:	< 5' (multipole) < 14' (2-pole) < 20' (2-pole in shaft height 28)
Use:	Synchronous servo motors 1FT6, 1FK7, 1FW3 Asynchronous servo motors 1PH7, 1PH4
Max. possible connection cable length:	150 m (492.2 ft)

- Output signals:
- Resolver, 2-pole:
One sin/cos signal per revolution
 - Resolver, 4-pole:
Two sin/cos signals per revolution
 - Resolver, 6-pole:
Three sin/cos signals per revolution