

The diagram illustrates a magnetic core with a slot and a coil. The core is made of a material with infinite permeability ( $\mu_E = \infty$ ). The slot is filled with air, with permeability  $\mu_o$ . The magnetic field lines are shown as a closed loop. A rectangular Amperian loop is drawn around the coil, with its sides at  $x$  and  $x+dx$ . The magnetic field vector  $H_y$  is shown pointing upwards. The vector potential  $A(x,t)$  is indicated by a downward arrow. The slot width is  $\delta'$ . The magnetic field lines are shown as a closed loop.

**EW**  
**THD**

Zur Induktionsverteilung bei  
konstantem Luftspalt

69  
0/0203