

## Accessories Permanent Magnet DMR15-6-3



- Attainable switching distance approx. 36 mm with magnetic field sensors (BIM) in models (E)M12E, M18 and G12SK
- Attainable switching distance approx. 32 mm with magnetic field sensors (BIM) in models EH6.5, EG08 and M12-S1209
- Remanence (Br) 380-400 mT (3800-4000 Gauss)
- Material: Strontium ferrite (SrFe)

non-magnetic wall

magnet



## **Functional principle**

Magnetic-inductive proximity switches are actuated by magnetic fields. They detect permanent magnets through non-ferromagnetic materials such as wood, plastic, non-ferrous metals, aluminum or stainless steel.

Turck magnetic field sensors obtain a particularly high switching distance using the actuation magnets. As they are available in a number of sizes and versions, they enable a wide range of possibilities for detection, particularly in constructions where mounting space is limited or other difficult conditions prevail.

The diagram shows a typical characteristic curve of the magnetic flux density [in mT] based on the distance in the axial direction and at room temperature.

