|  | Assured sensing distance Sa Sensor - permanent magnet |  |  |
| :--- | :--- | :--- | :--- |
| Sensor <br> family | Permanent magnet <br> MMRS AA02X02 | Permanent magnet <br> MMRN AA06X05 | Permanent magnet <br> MMRH BA31X15 |
| MFRM 08 | 5 mm | 20 mm | 60 mm |
| MFFM 08 | 5 mm | 20 mm | 60 mm |
| MFVM 08 | 5 mm | 20 mm | 60 mm |

Permanent magnet Alloy

Permanent magnet Alignment

## Permanent magnet Mounting

 attached to a non-ferromagnetic carrier, the influence on the assured switching distance will be nearly not noticeable. However, a permanent magnet mounted non-flush on a ferromagnetic carrier will enhance the switching distance by up to $25 \%$. Attached flush or shielded to a ferromagnetic carrier, the switching distance will be reduced by up to $40 \%$ (ever related to the assured switching distance).If the permanent magnet is to be screwed on, ever use non-ferromagnetic screws (e.g. stainless steel).


