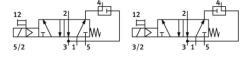# Air solenoid valve
NVF3-MOH-5/2-K-1/4

Part number: 196982

FESTO

📄 General operating condition

Datasheet product reliability

The information in this "Product reliability data sheet" is based on products being used as intended. This includes complying with all specifications in data sheets, catalogues, user documentation and the general operating conditions. The user alone is responsible for determining whether a product is suitable for a particular application.

Feature	Value
Certified for safety functions to ISO 13849 (PL)[1]	Till Performance Level d
Certified for safety function to ISO 13849 and IEC 61508 (SIL)[2]	Up to Safety Integrity Level 2 high demand mode
Probability of Failure per Hour (PFH)[3]	$5.0*10^{-7}$
Service-life value B_{10}[4]	1 Mio cycles
Well-tried component[5]	Yes
Lap	Underlap
Vibration resistance	Transport application test with severity level 1 in accordance with FN942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 1 in accordance with FN 942017-5 and EN 60068-2-27

[1] Further measures can be necessary to fulfil the stated Performance Level (PL). For these measures refer to the relevant documentation.

[2] Further measures can be necessary to fulfil the stated Safety Integrity Level (SIL). For these measures refer to the relevant documentation.

[3] For components affected by wear this value will be reached, if for the precise application the mean number of annual operations (nop) is equal or lower than the assumed annual operations of this product. The assumed mean number of annual operations is stated in this datasheet.

[4] The ascertainment of characteristic service life values is generally based on the ISO 19973 "Pneumatic fluid power - Assessment of component reliability by testing".

[5] The product is a well-tried product for a safety-related application according to ISO 13849-1. The relevant basic and well- tried safety principles according ISO 13849-2 for this product are fulfilled. The suitability of the product for a precise application must be verified and confirmed by the user.