

# Air solenoid valve MHP1-M1H-3/20-M3-TC

Part number: 197032

FESTO



[PDF](#) 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
Certificate issuing authority	UL MH19482
Service-life value $B_{10}$ <sup>1)</sup>	40 Mio cycles
Well-tried component <sup>2)</sup>	Yes
Note on forced dynamization	Switching frequency min. 1/week
Design characteristics	Ducted solenoid exhaust air Mechanical spring return Poppet valve
Lap	Underlap
Vibration resistance	Transport application test with severity level 2 in accordance with FN942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27
Max. positive test pulse with 0 signal	500 $\mu$ s
Max. negative test pulse with 1 signal	400 $\mu$ s

- 1) The ascertainment of characteristic service life values is based on the ISO 19973 "Pneumatic fluid power - Assessment of component reliability by testing".
- 2) 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 by the user.