

## Product overview (PL)



Devices with functional security

- Achievable performance level (PL) according to ISO 13849
- An FMEA analysis was prepared by FISCHER and confirmed by a manufacturer's declaration for the verification.

### Differential pressure

#### Products Designation



**DE49\_0**

**Digital differential pressure transmitter / switch**  
with FISCHER manufacturer's declaration

PL c    Cat 1    Single device

PL d    Cat 3    Redundant with two devices



**DE90**

**PRO-LINE® Digital differential pressure transmitter**  
with FISCHER manufacturer's declaration

PL c    Cat 1    Single device

PL d    Cat 3    Redundant with two devices

## Product overview (SIL)



Devices with functional security

- Safety Integrity Level (SIL) according to IEC 61508
- An FMEA analysis was prepared by FISCHER for verification purposes for some devices and confirmed by a manufacturer's declaration.
- A TÜV certificate is available for all other devices.

### Pressure

#### Products Designation



**MS11**

**Contact manometer**

with TÜV certificate

SIL2 HFT 0 Single device

HFT 1 Redundant with two devices

### Differential pressure

#### Products Designation



**DS11**

**Differential pressure measuring and switching device**

with TÜV certificate

SIL2 HFT 0 Single device

HFT 1 Redundant with two devices



**DS13**

**Differential pressure switch**

with TÜV certificate

SIL2 HFT 0 Single device

HFT 1 Redundant with two devices



**DS21**

**Differential pressure measuring and switching device**

with TÜV certificate

SIL2 HFT 0 Single device

HFT 1 Redundant with two devices

**Products Designation**



**DE46**      **Digital differential pressure switch / transmitter**  
with FISCHER manufacturer's declaration  
SIL1    HFT 0    Single device  
SIL2    HFT 1    Redundant with two devices



**DE49\_0**      **Digital differential pressure switch / transmitter**  
with FISCHER manufacturer's declaration  
SIL1    HFT 0    Single device  
SIL2    HFT 1    Redundant with two devices



**DE90**      **PRO-LINE® Digital differential pressure transmitter**  
with FISCHER manufacturer's declaration  
IEC 61508    SIL1    HFT 0    Single device  
                  SIL2    HFT 1    Redundant with two devices  
IEC 61511    SIL2    HFT 0    Single device

**Filling level**

**Products Designation**



**NK10**      **Fill level limiter**  
with TÜV certificate  
SIL2    HFT 0    Single device  
SIL3    HFT 1    Redundant with two devices