

NPFSR-K51D is 1 NO output safety relay, receiving DO signal, realizing reliable isolation control, and the field side supports up to 250 V AC load circuit. It can be used for safety related applications of SIL3 and SC3 in accordance with IEC 61508 standard, and ESD in SIS.

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- System loop detection support
- Proof Test
- Fail-safe technique
- Triple redundancy
- Contact welding protection
- Relay contact output for de-energized to safe function
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Functional Block Diagram


## Safety Values

Proof-test interval DC ${ }_{\text {av }}$
SIL
HFT 0 , according to IEC 61508
SFF $\quad \geq 90 \%$, according to IEC 61508
$\mathrm{PFD}_{\text {avg }} / \mathrm{PTI}=20$ years
PFH

20 years, according to IEC 61508 60\%, according to IEC 61508

SIL3, according to IEC 61508
$3.02 \times 10^{-5}$, according to IEC 61508
$3.45 \times 10^{-10} 1 / \mathrm{h}$, according to IEC 61508

