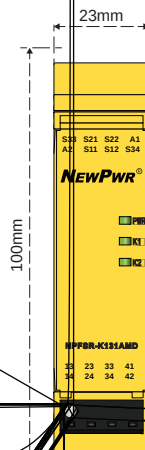


## NPFSR-K131AMD

3NO+1NC SQSG 3xW  
X3NO+1NC

K

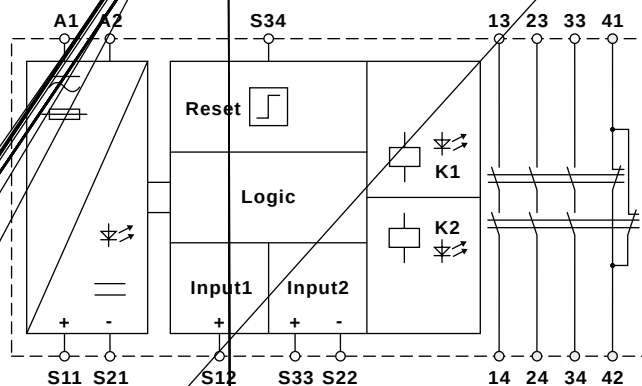
1002



## Technical Data

|                       |                                                                 |
|-----------------------|-----------------------------------------------------------------|
| Rated Voltage         | 24V AC/DC                                                       |
| Coil Resistance       | 0.85 ~ 1.1                                                      |
| Operating Frequency   | 50Hz ~ 60Hz                                                     |
| Rated Power           | 2.2W/24V DC, 5.4VA/24V AC                                       |
| Rated Current         | 50mA/24V DC                                                     |
| Mounting              |                                                                 |
| Switching Type        | PNP                                                             |
| Contacts              | 3NO+1NC                                                         |
| Material              | AgSnO <sub>2</sub>                                              |
| Rated Current (AC)    | AC-15: 5A/230V, DC-13: 5A/24V                                   |
| Rated Current (DC)    | 10A gL/gG(NO), 6A gL/gG(NC)                                     |
| Temperature Class     |                                                                 |
| Dielectric Strength   |                                                                 |
| Insulation Resistance |                                                                 |
| Life Expectancy       | IEC/EN 60947, IEC 61326-3-1, IEC/EN 61000-6-2, IEC/EN 61000-6-4 |
| Rated Voltage (AC)    | 250V AC                                                         |
| Rated Voltage (DC)    |                                                                 |
| Rated Current (AC)    | 1500V AC, 1 min                                                 |
| Rated Current (DC)    | IEC 60947-1                                                     |
| Operating Frequency   | 50Hz ~ 55Hz, 0.35mm                                             |
| Mounting              | III                                                             |
| Terminal Block        | 2                                                               |
| IP Rating             | IP20                                                            |
| Operating Temperature | -20°C ~ +60°C                                                   |
| Storage Temperature   | -40°C ~ +80°C                                                   |
| Reliability           | 10×10 <sup>6</sup>                                              |

## Internal Circuit Diagram



## Performance Data

|                    |                                         |
|--------------------|-----------------------------------------|
| Operating Voltage  | PLc, ISO 13849                          |
| Category           | Cat.4, ISO 13849                        |
| Life Expectancy    | 20, ISO 13849                           |
| Rated Current      | 99%, ISO 13849                          |
| Rated Voltage (AC) | 164, ISO 13849                          |
| Rated Current (DC) | 68, ISO 13849                           |
| Rated Voltage (DC) | SIL3, IEC 61508                         |
| Rated Current (DC) | SIL CL3, IEC 62061                      |
| Rated Voltage (AC) | 1, IEC 62061                            |
| Rated Current (DC) | , IEC 62061                             |
| Rated Voltage (DC) | 1.29×10 <sup>-5</sup> /PTI=20 IEC 62061 |
| Rated Current (DC) | 1.49×10 <sup>-10</sup> 1/h, IEC 62061   |
| Rated Voltage (DC) | 0, IEC 60204                            |