7S.43/63

86.2 mm
100.3 mm
22.5 mm

LED

EN 61810-3 TYPE A

–40...+70°C

Use of relay with forcibly guided contacts for applications up to SIL3.

Double channel architecture system (architecture 1oo2 - one out of two) where both channels perform the safety function and in which the diagnostics are managed externally by the device itself (entrusted, for example, to a safety PLC).

Dynamic tests are not foreseen / imposed by the manufacturer.

When the NO contacts do not open when the coil has been disconnected, the NC contact does not close and the machine restart must be prevented.

The use of the relay as a device for carrying out a safety function provides that it is used following well-established circuit techniques for safety purposes, i.e. the use of NO contacts of a relay which open the load supply circuit when the coil is de-energized.

With these prerequisites, the failure to close the contact is a safety failure while the failure to open contact is a dangerous failure.

The data provided below refer to contacts NO 22-23, 33-34.

The NO contact 47-48 is an auxiliary contact for general use.

Further information on the safety and functional aspects of the product can be found in the general Finder catalog, which is an integral part of this manual and is available at www.findernet.com

Example of application

<table>
<thead>
<tr>
<th>Type of load</th>
<th>PFHd</th>
<th>External diagnostics</th>
<th>Architecture</th>
<th>SIL</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC13-3 A, 24 V DC</td>
<td>7.98*10⁻⁸</td>
<td>YES</td>
<td>DC</td>
<td>3</td>
</tr>
<tr>
<td>AC15 -5 A 250 V AC</td>
<td>1.59*10⁻⁵</td>
<td>1.51*10⁻⁵</td>
<td>7.97*10⁻⁷</td>
<td>5%</td>
</tr>
</tbody>
</table>

Safety Contacts

NO 22-23
NO 47-48
NC 11-12

Auxiliary Contact depending on 7S type

Tested according to EN 61810-3

Example of application