### Solid state relays nomenclature

<table>
<thead>
<tr>
<th>Device type</th>
<th>RD</th>
<th>H</th>
<th>A</th>
<th>7</th>
<th>10</th>
<th>NM</th>
<th>06</th>
<th>A</th>
<th>8</th>
<th>S</th>
<th>K</th>
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</thead>
<tbody>
<tr>
<td>RD</td>
<td>DC solid state relay</td>
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<tr>
<td>UD</td>
<td>DC solid state power controller</td>
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#### Radiation characterization
- **H**: Rad hard
- **F**: Non rad hard

#### Generation
- **A**: Current design
- **B**: Future

#### Radiation level
- **Blank**: Non rad hard
- **3**: 300 krad (Si)
- **4**: 600 krad (Si)
- **7**: 100 krad (Si)
- **8**: 1000 krad (Si)

#### Current
- **01**: 1 A
- **03**: 3 A
- **10**: 10 A
- **20**: 20 A

#### Package type
- **SE**: 8-pin surface mount
- **FE**: 8-pin flange mount
- **SD**: 12-pin surface mount
- **FD**: 12-pin flange mount
- **SF**: 5-pin surface mount
- **FF**: 5-pin flange mount
- **NM**: SMD-4
- **FP**: 64-pin flat pack
- **FT**: 20-pin flat pack

#### Screening level
- **P**: Unscreened, 25°C
- **H**: Class H per MIL-PRF-38534
- **K**: Class H per MIL-PRF-38534

#### Features
- **S**: 3.3 V buffered, controlled
- **F**: 3.3 V buffered fast
- **N**: Non buffered fast
- **P**: Non buffered, controlled
- **Q**: 5 V buffer, immediate (compromise)
- **B**: Break before make
- **M**: Make before break
- **U**: Unsequenced

#### Number of poles
- **1**: Single pole
- **2**: Double pole
- **8**: 8 poles

#### Throw configuration
- **A**: Single throw, normally open
- **B**: Single throw, normally closed
- **C**: Double throw
- **M**: Mixed

#### Voltage (BV_DSS)
- **030**: 30 V
- **060**: 45 V
- **10**: 100 V
- **20**: 200 V
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