### Appendix A

Data sheet   Characteristics

SR2A201FU
Compact smart relay Zelio Logic - 20 I O -
100...240 V AC - no clock - display

**Main**
- **Range of product**: Zelio Logic
- **Product or component type**: Compact smart relay
- **[Us] rated supply voltage**: 100...240 V AC
- **Discrete input number**: 12
- **Number of outputs**: 8 relay
- **Local display**: With
- **Clock**: Without

**Complementary**
- **Supply current**
  - without extension: 50 mA 240 V
  - with extension: 100 mA 100 V
- **Power consumption in VA**: 11 VA without extension
- **Discrete input current**: 0.6 mA
- **Number or control scheme lines**: 120 ladder
  - \( \leq 200 \) FBD
- **Cycle time**: 6...90 ms
- **Backup time**: 10 years 25 °C
- **Clock drift**: 6 s/month 25 °C
12 min/year 0...55 °C
Program memory on

Supply voltage limits
85...264 V

Supply frequency
50/60 Hz

Isolation voltage
178 V

Protection type
Against inversion of terminals (control instructions not executed)

Discrete input voltage
100...240 V AC

Discrete input frequency
47...53 Hz
57...63 Hz

Voltage state 1 guaranteed
≥ 79 V discrete input

Voltage state 0 guaranteed
≤ 40 V discrete input

Current state 1 guaranteed input
> 0.17 mA discrete input

Current state 0 guaranteed input
< 0.5 mA discrete input

Input impedance
350 kOhm discrete input

Output voltage limits
5...30 V DC relay output
24...250 V AC

Contacts type and composition
NO relay output

Output thermal current
8 A for all 8 outputs

Checks each power up

Supply voltage limits

Supply frequency

Isolation voltage

Protection type
Against inversion of terminals (control instructions not executed)

Discrete input voltage

Discrete input frequency

Voltage state 1 guaranteed

Voltage state 0 guaranteed

Current state 1 guaranteed input

Current state 0 guaranteed input

Input impedance

Output voltage limits

Contacts type and composition

Output thermal current relay output
<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Electrical durability</strong></td>
<td>500000 cycles DC-12 24 V 1.5 A relay output EN/IEC 60947-5-1</td>
</tr>
<tr>
<td></td>
<td>500000 cycles DC-13 24 V 0.6 A relay output EN/IEC 60947-5-1</td>
</tr>
<tr>
<td></td>
<td>500000 cycles AC-12 230 V 1.5 A relay output EN/IEC 60947-5-1</td>
</tr>
<tr>
<td></td>
<td>500000 cycles AC-15 230 V 0.9 A relay output EN/IEC 60947-5-1</td>
</tr>
<tr>
<td><strong>Switching capacity in mA</strong></td>
<td>≥ 10 mA 12 V relay output</td>
</tr>
<tr>
<td><strong>Operating rate in Hz</strong></td>
<td>0.1 Hz at relay output</td>
</tr>
<tr>
<td></td>
<td>10 Hz no load relay output</td>
</tr>
<tr>
<td><strong>Mechanical durability</strong></td>
<td>10000000 cycles relay output</td>
</tr>
</tbody>
</table>
[Uimp] rated impulse withstand voltage 4 kV EN/IEC
60947-1 and EN/IEC

60664-1