AI581-S Safety analog input module

Ideal for applications like machinery safety, braking systems in hoists, position control in crane and selective shutdown in wind turbines involving safe control of:

- Position
- Torque
- Pressure
- Temperature
- etc.

Key Features

- Supports SIL3 (IEC 61508, IEC 62061) and PL e (ISO 13849-1)
- High-speed dedicated analog current module with PROFINET/PROFIsafe functionality
- 4 safety current input channels up to SIL2 or PL d OR 2 safety current input channels up to SIL3 or PL e
- Could be configured for a range of 0 to 20 mA or 4 to 20 mA (1 or 2 channel mode)
- 14 bit A/D converter resolution with a LSB value of 2.03 µA
- 0.33 ms for conversion cycle
- Extreme condition (XC) version for harsh environments
- Built-in over-voltage protection
- Input indication on LEDs (intensity change)
- Got approvals from CE, cUL, UL and C-Tick

<table>
<thead>
<tr>
<th>Order Codes</th>
<th>Product Description</th>
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<tbody>
<tr>
<td>1SAP 282 000 R0001</td>
<td>Standard AI581-S module</td>
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<tr>
<td>1SAP 482 000 R0001</td>
<td>Extreme condition AI581-S-XC module</td>
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