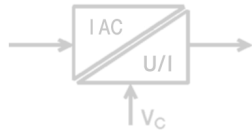


Passive Converter, Current Monitoring - Loop Powered

931S-A3A2D-OP



|                      |  |
|----------------------|--|
| Specifications       | <b>Passive Converter, Monitoring - Loop Powered</b>  |
| Wiring Diagram       |  |
| Standards Compliance | UL 508, UL 1604, UL 60079-15, CSA E60079-15:02, CSA C22.2 No. 213-1987, CSA C22.2 No. 142-M1987, EN 50178:1997, EN 60079-0:2006, EN 60079-15:2005, EN 61000-6-1:2007, EN 61000-6-2: 2005, EN 61000-6-3:2007, EN 61000-6-4:2007 |
| Certifications       | cULus (Class 1, Div. 2/Zone 2, Groups A, B, C and D, NRAG/7.E10314 and NWGD/7.E10314 ), CE, ATEX (Class 1, Zone 2, Demko 09ATEX 0929065X)  |

| Input | Switch                              |                                     |                          |                                     |
|-------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|
|       | 1                                   | 2                                   | 3                        | 4                                   |
| 1 Aa  | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5 Aa  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 10 Aa | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            |

| Frequency | Switch                   |                          |                          |                                     |
|-----------|--------------------------|--------------------------|--------------------------|-------------------------------------|
|           | 1                        | 2                        | 3                        | 4                                   |
| 50 Hz     | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 60 Hz     | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

■ = on  
 = off

| Input Ratings                    |  |               |
|----------------------------------|--|---------------|
| Current                          | 0...1 A AC/ 0...5 A AC/ 0...10 A AC                          |               |
| Frequency                        | 50...60 Hz   |               |
| Max Current                      | 100 A for 1 s  |               |
| Voltage of Measuring Circuit     | 250 V AC   |               |
| Sensor                           | Transforming (internally)                                    |               |
| Input                            | Passive  |               |
| Output Ratings                   |  |               |
| Voltage                          | —  |               |
| Current                          | 4...20 mA  |               |
| Load Impedance (voltage/current) | — / ≤ 600 Ω  |               |
| Step Response Time               | Typically 700 ms   |               |
| Temperature Coefficient          | ≤ 200 ppm/ K   |               |
| Accuracy                         | 0.5% FSR   |               |
| Offset Current/Voltage           | max. 100 μA/ —   |               |
| Status Indicator                 | LED ON: OK; FLASHING: signal out of range;<br>LED OFF: Error |               |
| Output                           | Passive  |               |
| General Specifications           |  |               |
| Supply Voltage                   | 13...30V DC  |               |
| Power Type                       | Output Loop Powered  |               |
| Operating Temperature            | 0 °C...+50 °C  |               |
| Storage Temperature              | -20 °C...+70 °C  |               |
| Default Settings                 | 0...5 A AC, 4...20 mA  |               |
| Rated Insulation Voltage         | 300V   |               |
| Impulse Withstand Voltage        | 6kV  |               |
| Isolation Voltage Input - Output | 4kV <sub>eff</sub> / 5 s                                     |               |
| Surge Category                   | III  |               |
| Pollution Severity               | 2  |               |
| Connection Type                  | Screw  |               |
| L x W x D (mm)                   | 72 x 22.5 x 92.4   |               |
| Signal Conditioner               | Cat. No.   | Pkg. Quantity |
|                                  | 931S-A3A2D-OP  | 1             |