



SIMATIC S7-1200, RTD INPUT,
SB 1231 RTD, 1 AI RTD, 1 CHANNEL,
PT 100 AND PT1000

| | |
|--|-------|
| Supply voltage | |
| 24 V DC | Ja |
| Input current | |
| Opgenomen stroom / typisch | 5 mA |
| from backplane bus 5 V DC, typ. | 20 mA |
| Power loss | |
| Werkelijk vermogensverlies / typisch | 0,5 W |
| Analog inputs | |
| Aantal analoge ingangen | 1 |
| Input ranges | |
| Uitvoering van de sensor / aan de analoge ingang / wordt ondersteund / thermisch element | Nee |
| Uitvoering van de sensor / aan de analoge ingang / wordt ondersteund / sensor voor weerstandstemperatuur | Ja |
| Ingangsgrootte / aan de analoge ingang / signaal met veranderlijke weerstand | Ja |
| Input ranges (rated values), resistance thermometers | |
| Pt 100 | Ja |
| Input resistance (Pt 100) | 100 Ω |
| Pt 1000 | Ja |

| | |
|---|--------|
| Input resistance (Pt 1000) | 1000 Ω |
| Pt 200 | Ja |
| Input resistance (Pt 200) | 200 Ω |
| Pt 500 | Ja |
| Input resistance (Pt 500) | 500 Ω |
| Input ranges (rated values), resistors | |
| 0 to 150 Ohm | Ja |
| 0 to 300 Ohm | Ja |
| 0 to 600 Ohm | Ja |
| Thermocouple (TC) | |
| Temperature compensation | |
| parameterizable | Nee |
| Analog outputs | |
| Aantal analoge uitgangen | 0 |
| Analog value generation | |
| Integration and conversion time/resolution per channel | |
| Resolution with overrange (bit including sign), max. | 15 bit |
| Integration time, parameterizable | Nee |
| Errors/accuracies | |
| Repeat accuracy in steady state at 25 °C (relative to output area), (+/-) | 0,05 % |
| Interference voltage suppression for $f = n \times (f_1 \pm 1 \%)$, $f_1 =$ interference frequency | |
| Common mode interference, min. | 120 dB |
| Interrupts/diagnostics/status information | |
| Alarms | |
| Alarms | Ja |
| Diagnostic alarm | Ja |
| Diagnostic messages | |
| Productfunctie / diagnosefunctie | Ja |
| Diagnosefunctie / draadbreek | Ja |
| Diagnostics indication LED | |
| for status of the inputs | Ja |
| for maintenance | Ja |
| Degree and class of protection | |
| IP20 | Ja |
| Standards, approvals, certificates | |
| Geschiktheidsbewijs / EG-conformiteitsmerkteken | Ja |
| Geschiktheidsbewijs / C-Tick | Ja |

| | |
|---|-------------|
| FM approval | Ja |
| Climatic and mechanical conditions for storage and transport | |
| Climatic conditions for storage and transport | |
| Free fall | |
| Drop height, max. (in packaging) | 0,3 m |
| Mechanics/material | |
| Type of housing (front) | |
| Plastic | Ja |
| Dimensions | |
| Breedte | 38 mm |
| Hoogte | 62 mm |
| Diepte | 21 mm |
| Weights | |
| Weight, approx. | 35 g |
| Status | 28-jul-2014 |