




SIMATIC S7-300, Signal module for 3 SSI encoders for reading in the position value with 2 FREEZE inputs, 1x 20-pole Supports isochronous mode

| Supply voltage | |
|--|---|
| Load voltage L+ | |
| • Rated value (DC) | 24 V |
| • permissible range, lower limit (DC) | 20.4 V |
| • permissible range, upper limit (DC) | 28.8 V |
| Input current | |
| from load voltage L+ (without load), max. | 100 mA |
| from backplane bus 5 V DC, max. | 160 mA |
| Encoder supply | |
| 24 V encoder supply | |
| • 24 V | Yes; L+ (-0.8 V) |
| • Output current, max. | 900 mA |
| Power loss | |
| Power loss, typ. | 3 W |
| Digital inputs | |
| Input voltage | |
| • for signal "0" | -3 to +5V |
| • for signal "1" | 11 to 30.2 V |
| Input current | |
| • for signal "0", max. (permissible quiescent current) | 2 mA |
| • for signal "1", typ. | 9 mA |
| Input delay (for rated value of input voltage) | |
| for standard inputs | |
| — at "0" to "1", min. | 300 μs |
| Cable length | |
| • shielded, max. | 600 m |
| Encoder | |
| Number of connectable encoders, max. | 3 |
| Connectable encoders | |
| • Absolute encoder (SSI) | Yes |
| • 2-wire sensor | Yes |
| Encoder signals, absolute encoder (SSI) | |
| • Cable length, shielded, max. | 320 m; 320 m at 125 kHz; 160 m at 250 kHz; 60 m at 500 kHz; 20 m at 1 MHz |
| Interrupts/diagnostics/status information | |
| Alarms | |
| • Diagnostic alarm | Yes |
| connection method | |
| required front connector | 20-pin |
| Dimensions | |
| Width | 40 mm |

| | |
|-----------------------|---|
| Height | 125 mm |
| Depth | 120 mm |
| Weights | |
| Weight, approx. | 235 g |
| last modified: | 3/12/2024  |