

SIMATIC S7-300, FM 352 ELECTRON. CAM-OPERATED  
CONTROL INCL. CONFIG. PACKAGE ON CD



Figure similar

| Supply voltage                            |        |
|-------------------------------------------|--------|
| Rated value (DC)                          |        |
| • 24 V DC                                 | Yes    |
| Input current                             |        |
| from load voltage L+ (without load), max. | 200 mA |
| from backplane bus 5 V DC, max.           | 100 mA |
| Encoder supply                            |        |
| 5 V encoder supply                        |        |
| • 5 V                                     | Yes    |
| • Output current, max.                    | 300 mA |
| • Cable length, max.                      | 32 m   |
| 24 V encoder supply                       |        |
| • 24 V                                    | Yes    |
| • Output current, max.                    | 300 mA |
| • Cable length, max.                      | 100 m  |
| Power loss                                |        |

|                                                            |                                                                                                                |
|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Power loss, typ.                                           | 8.1 W                                                                                                          |
| <b>Digital inputs</b>                                      |                                                                                                                |
| Number of digital inputs                                   | 4                                                                                                              |
| Functions                                                  | Reference point switch, set floating actual value/length measurement, brake release, enable track output no. 3 |
| <b>Input voltage</b>                                       |                                                                                                                |
| • Rated value (DC)                                         | 24 V                                                                                                           |
| • for signal "0"                                           | -30 to +5V                                                                                                     |
| • for signal "1"                                           | +11 to +30V                                                                                                    |
| <b>Input current</b>                                       |                                                                                                                |
| • for signal "0", max. (permissible quiescent current)     | 2 mA                                                                                                           |
| • for signal "1", typ.                                     | 9 mA                                                                                                           |
| <b>Digital outputs</b>                                     |                                                                                                                |
| Number of digital outputs                                  | 13                                                                                                             |
| Functions                                                  | Cam track                                                                                                      |
| Short-circuit protection                                   | Yes                                                                                                            |
| <b>Output voltage</b>                                      |                                                                                                                |
| • Rated value (DC)                                         | 24 V                                                                                                           |
| • for signal "1", min.                                     | UP - 0.8 V                                                                                                     |
| <b>Output current</b>                                      |                                                                                                                |
| • for signal "1" permissible range for 0 to 60 °C, min.    | 5 mA; with UPmax                                                                                               |
| • for signal "1" permissible range for 0 to 60 °C, max.    | 600 mA; with UPmax                                                                                             |
| • for signal "0" residual current, max.                    | 0.5 mA                                                                                                         |
| <b>Encoder</b>                                             |                                                                                                                |
| <b>Connectable encoders</b>                                |                                                                                                                |
| • Incremental encoder (symmetrical)                        | Yes                                                                                                            |
| • Incremental encoder (asymmetrical)                       | Yes                                                                                                            |
| • Absolute encoder (SSI)                                   | Yes                                                                                                            |
| • 2-wire sensor                                            | Yes                                                                                                            |
| — permissible quiescent current (2-wire sensor), max.      | 2 mA                                                                                                           |
| <b>Encoder signals, incremental encoder (symmetrical)</b>  |                                                                                                                |
| • Trace mark signals                                       | A, notA, B, notB                                                                                               |
| • Zero mark signal                                         | N, notN                                                                                                        |
| • Input signal                                             | 5 V difference signal (phys. RS 422)                                                                           |
| • Input frequency, max.                                    | 1 MHz                                                                                                          |
| <b>Encoder signals, incremental encoder (asymmetrical)</b> |                                                                                                                |
| • Trace mark signals                                       | A, B                                                                                                           |
| • Zero mark signal                                         | N                                                                                                              |

|                                                   |                                                                     |
|---------------------------------------------------|---------------------------------------------------------------------|
| • Input voltage                                   | 24 V                                                                |
| • Input frequency, max.                           | 50 kHz; 50 kHz for 25 m cable length; 25 kHz for 100 m cable length |
| Encoder signals, absolute encoder (SSI)           |                                                                     |
| • Data signal                                     | DATA, notDATA                                                       |
| • Clock signal                                    | CL, notCL                                                           |
| • Telegram length, parameterizable                | 13 or 25 bit                                                        |
| • Clock frequency, max.                           | 1 MHz                                                               |
| • Gray code                                       | 1                                                                   |
| • Cable length, shielded, max.                    | 320 m; at max. 125 kHz                                              |
| Potential separation                              |                                                                     |
| Potential separation digital inputs               |                                                                     |
| • Potential separation digital inputs             | No                                                                  |
| Potential separation digital outputs              |                                                                     |
| • Potential separation digital outputs            | No                                                                  |
| Degree and class of protection                    |                                                                     |
| Degree of protection acc. to EN 60529             |                                                                     |
| • IP20                                            | Yes                                                                 |
| Ambient conditions                                |                                                                     |
| Ambient temperature during operation              |                                                                     |
| • min.                                            | 0 °C                                                                |
| • max.                                            | 60 °C                                                               |
| Ambient temperature during storage/transportation |                                                                     |
| • min.                                            | -40 °C                                                              |
| • max.                                            | 70 °C                                                               |
| Relative humidity                                 |                                                                     |
| • Humidity class F                                | Yes                                                                 |
| Connection method                                 |                                                                     |
| required front connector                          | 1x 20-pin                                                           |
| Dimensions                                        |                                                                     |
| Width                                             | 80 mm                                                               |
| Height                                            | 125 mm                                                              |
| Depth                                             | 120 mm                                                              |
| Weights                                           |                                                                     |
| Weight, approx.                                   | 550 g                                                               |
| last modified:                                    | 10/28/2016                                                          |