



Figure similar

SIMATIC S7-300, positioning module FM 351 for rapid/slow traverse Drives incl. configuration package on CD

| Supply voltage | |
|--|---|
| Rated value (DC) | 24 V |
| permissible range, lower limit (DC) | 20.4 V |
| permissible range, upper limit (DC) | 28.8 V |
| Load voltage L+ | |
| <ul style="list-style-type: none"> Rated value (DC) | 24 V |
| <ul style="list-style-type: none"> permissible range, lower limit (DC) | 20.4 V |
| <ul style="list-style-type: none"> permissible range, upper limit (DC) | 28.8 V |
| Input current | |
| Current consumption, max. | 350 mA |
| from backplane bus 5 V DC, max. | 150 mA |
| Encoder supply | |
| 5 V encoder supply | |
| <ul style="list-style-type: none"> 5 V | Yes |
| <ul style="list-style-type: none"> Output current, max. | 350 mA |
| <ul style="list-style-type: none"> Cable length, max. | 32 m |
| 24 V encoder supply | |
| <ul style="list-style-type: none"> 24 V | Yes |
| <ul style="list-style-type: none"> Output current, max. | 400 mA; Per channel |
| <ul style="list-style-type: none"> Cable length, max. | 100 m |
| Power loss | |
| Power loss, typ. | 7.9 W |
| Digital inputs | |
| Number of digital inputs | 8 |
| Functions | Reference cams, reversing cams, flying actual value setting, start/stop positioning |
| Input voltage | |
| <ul style="list-style-type: none"> Rated value (DC) | 24 V |
| <ul style="list-style-type: none"> for signal "0" | -3 to +5V |
| <ul style="list-style-type: none"> for signal "1" | +11 to +30V |
| Input current | |
| <ul style="list-style-type: none"> for signal "0", max. (permissible quiescent current) | 2 mA |
| <ul style="list-style-type: none"> for signal "1", typ. | 6 mA |
| Digital outputs | |
| Number of digital outputs | 8 |
| Functions | Rapid traverse, creep, run right, run left |
| Short-circuit protection | Yes |
| Output voltage | |
| <ul style="list-style-type: none"> Rated value (DC) | 24 V |

| | |
|---|--------------------|
| • for signal "1", min. | UP - 0.8 V |
| Output current | |
| • 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 |

Encoder

| | |
|---|--|
| Connectable encoders | |
| • 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; on signal "0", max. 2 mA; on signal "1", max. 6 mA |

| | |
|---|--------------------------------------|
| Encoder signals, incremental encoder (symmetrical) | |
| • Trace mark signals | A, notA, B, notB |
| • Zero mark signal | N, notN |
| • Input voltage | 5 V difference signal (phys. RS 422) |
| • Input frequency, max. | 0.5 MHz |

| | |
|--|---|
| Encoder signals, incremental encoder (asymmetrical) | |
| • 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) | |
| • Input signal | 5 V difference signal (phys. RS 422) |
| • Data signal | DATA, notDATA |
| • Clock signal | CL, notCL |
| • Telegram length, parameterizable | 13 or 25 bit |
| • Clock frequency, max. | 1.5 MHz |
| • Gray code | Yes |
| • Cable length, shielded, max. | 200 m; At max. 188 kHz |

Potential separation

| | |
|--|-----|
| Potential separation digital inputs | |
| • Potential separation digital inputs | Yes |

| | |
|---|-----|
| Potential separation digital outputs | |
| • Potential separation digital outputs | Yes |

Ambient conditions

| | |
|---|-------|
| Ambient temperature during operation | |
| • min. | 0 °C |
| • max. | 60 °C |

| | |
|--|--------|
| Ambient temperature during storage/transportation | |
| • min. | -40 °C |
| • max. | 70 °C |

connection method

| | |
|--------------------------|-----------|
| required front connector | 1x 20-pin |
|--------------------------|-----------|

Dimensions

| | |
|--------|--------|
| Width | 80 mm |
| Height | 125 mm |
| Depth | 120 mm |

Weights

| | |
|-----------------|-------|
| Weight, approx. | 550 g |
|-----------------|-------|

Classifications

| | Version | Classification |
|--------|---------|----------------|
| eClass | 14 | 27-24-22-05 |
| eClass | 12 | 27-24-22-05 |
| eClass | 9.1 | 27-24-22-05 |
| eClass | 9 | 27-24-22-05 |
| eClass | 8 | 27-24-22-05 |
| eClass | 7.1 | 27-24-22-05 |
| eClass | 6 | 27-24-22-05 |

| | | |
|--------|----|-------------|
| ETIM | 9 | EC001422 |
| ETIM | 8 | EC001422 |
| ETIM | 7 | EC001422 |
| IDEA | 4 | 3567 |
| UNSPSC | 15 | 32-15-17-05 |

Approvals / Certificates

General Product Approval

[Manufacturer Declaration](#)



[Miscellaneous](#)



EMV For use in hazardous locations



[FM](#)



For use in hazardous locations Marine / Shipping

[Miscellaneous](#)

[CCC-Ex](#)



Marine / Shipping



[CCS \(China Classification Society\)](#)

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