

Spare part SIMATIC S7-200, Digital output EM 222, only for S7-22X CPU, 8 DO, 24 V DC



Figure similar

| 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 backplane bus 5 V DC, max. | 50 mA |
| Power loss | |
| Power loss, typ. | 2 W |
| Digital outputs | |
| Number of digital outputs | 8 |
| Short-circuit protection | No |
| Limitation of inductive shutdown voltage to | L+ (-48 V) |
| Output voltage | |
| • for signal "1", min. | 20 V |
| Output current | |

| | |
|---|------------------|
| <ul style="list-style-type: none"> • for signal "1" rated value | 0.75 A |
| <ul style="list-style-type: none"> • for signal "1" permissible range for 0 to 55 °C, max. | 750 mA |
| <ul style="list-style-type: none"> • for signal "0" residual current, max. | 10 µA |
| Parallel switching of two outputs | |
| <ul style="list-style-type: none"> • for uprating | Yes |
| Total current of the outputs (per group) | |
| all mounting positions | |
| — up to 40 °C, max. | 3 A |
| — Current per conductor/group, max. | 3 A |
| horizontal installation | |
| — up to 55 °C, max. | 3 A |
| Relay outputs | |
| Switching capacity of contacts | |
| — with inductive load, max. | 0.75 A |
| — on lamp load, max. | 5 W |
| — with resistive load, max. | 0.75 A |
| Cable length | |
| <ul style="list-style-type: none"> • shielded, max. | 500 m |
| <ul style="list-style-type: none"> • unshielded, max. | 150 m |
| Potential separation | |
| Potential separation digital outputs | |
| <ul style="list-style-type: none"> • Potential separation digital outputs | Yes; Optocoupler |
| <ul style="list-style-type: none"> • between the channels, in groups of | 4 |
| Isolation | |
| Isolation tested with | 500 V AC |
| Connection method | |
| Plug-in I/O terminals | Yes |
| Dimensions | |
| Width | 45 mm |
| Height | 80 mm |
| Depth | 62 mm |
| Weights | |
| Weight, approx. | 150 g |
| last modified: | 09/25/2019 |