



Product data sheet
6ES7222-1BF30-0XB0

SIMATIC S7-1200, DIGITAL OUTPUT SM 1222, 8 DO, 24V DC, TRANSISTOR 0.5A

Supply voltages

Rated value

| | |
|-------------------------------------|------------------------|
| permissible range, lower limit (DC) | 20.4 V |
| permissible range, upper limit (DC) | 28.8 V |
| Short-circuit protection | 0.0000000000000000E+00 |

Current consumption

| | |
|---------------------------------|--------|
| from backplane bus DC 5 V, max. | 120 mA |
|---------------------------------|--------|

Current consumption/power loss

| | |
|------------------|-------|
| Power loss, typ. | 1.5 W |
|------------------|-------|

Connection point

| | |
|---------------------------|-----|
| required front connectors | Yes |
|---------------------------|-----|

Digital inputs

| | |
|--------------------------|---|
| Number of digital inputs | 0 |
|--------------------------|---|

Digital outputs

| | |
|---------------------------|---|
| Number of digital outputs | 8 |
| | 1 |

| | |
|--|--------------------------------|
| Short-circuit protection of the output | No ; to be provided externally |
|--|--------------------------------|

| | |
|---|-----------------|
| Limitation of inductive shutdown voltage to | typ. (L+) -48 V |
|---|-----------------|

Switching capacity of the outputs

| | |
|---------------------------|-------|
| with resistive load, max. | 0.5 A |
|---------------------------|-------|

| | |
|--------------------|-----|
| on lamp load, max. | 5 W |
|--------------------|-----|

Output voltage

| | |
|---------------------------|----------------------------|
| Rated value (DC) | 24 V |
| for signal "0" (DC), max. | 0.1 V ; with 10k ohms Load |
| for signal "1", min. | 20 VDC |

Output current

| | |
|---------------------------------------|------------|
| for signal "1" rated value | 0.5 A |
| for signal "0" residual current, max. | 10 μ A |

Output delay with resistive load

| | |
|--|------------------------|
| "0" to "1", max. | 50 μ s |
| "1" to "0", max. | 200 μ s |
| Aggregate current of the outputs (per group) horizontal installation up to 50 °C, max. | 4 A ; Current per mass |
| Cable length cable length, shielded, max. | 500 m |
| Cable length unshielded, max. | 150 m |
| Relay outputs Switching capacity of the contacts with inductive load, max. | 0.5 A |
| on lamp load, max. | 5 W |
| with resistive load, max. | 0.5 A |
| Interrupts/diagnostics/status information Alarms Alarms | Yes |
| Diagnostic alarm | Yes |
| Diagnoses Diagnostic functions | Yes |
| Monitoring the voltage supply to the electronics | Yes |
| Diagnostics indication LED Status indicator digital output (green) | Yes |
| Isolation Isolation, digital outputs between the channels, in groups of | 1 |
| between the channels and the backplane bus | 500 VAC |
| Degree of protection IP 20 | Yes |
| Standards, approvals, certificates CE symbol | Yes |
| C-TICK | Yes |
| FM approval | Yes |
| Mechanics Plastic | Yes |
| Dimensions and weight | |

Dimensions and weight

| | |
|-----------------|--------------|
| Width | 45 mm |
| Height | 100 mm |
| Depth | 75 mm |
| Weight | |
| Weight, approx. | 180 g |
| Status | Aug 31, 2009 |