



Product data sheet
6ES7222-1BH30-0XB0

SIMATIC S7-1200, DIGITAL OUTPUT SM 1222, 16 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.	140 mA
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Current consumption/power loss

Power loss, typ.	2.5 W
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Connection point

required front connectors	Yes
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Digital inputs

Number of digital inputs	0
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Digital outputs

Number of digital outputs	16
	1

Short-circuit protection of the output	No ; to be provided externally
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Limitation of inductive shutdown voltage to	typ. (L+) -48 V
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Switching capacity of the outputs

with resistive load, max.	0.5 A
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on lamp load, max.	5 W
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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.	8 A ; Current per common
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.	220 g
Status	Aug 31, 2009