


6ES7222-1BF30-0XB0 S7-1200, DIGITAL OUTPUT 8 DO, 24V DC

Technical / CAx data

☒ Technical Data ☐ CAx data

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

Current consumption

from backplane bus 5 V DC, max.	120 mA
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Power losses

Power loss, typ.	1.5 W
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Connection method

required front connector	Yes
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Digital inputs

Number of digital inputs	0
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Digital outputs

Number of digital outputs	8
in groups of	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
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 µA

Output delay with resistive load

0 to "1", max.	50 µs
1 to "0", max.	200 µs

Aggregate current of 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 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
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Diagnostic alarm	Yes
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Diagnoses

Diagnostic functions	Yes
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Monitoring the supply voltage to the electronics	Yes
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Diagnostics indication LED

Status indicator digital output (green)	Yes
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Galvanic isolation**Galvanic isolation digital outputs**

between the channels, in groups of	1
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between the channels and the backplane bus	500 VAC
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Degree of protection

IP20	Yes
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Standards, approvals, certificates

CE mark	Yes
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C-TICK	Yes
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FM approval	Yes
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Mechanics

Plastic	Yes
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Dimensions and weight**Dimensions**

Width	45 mm
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Height	100 mm
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Depth	75 mm
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Weight

Weight, approx.	180 g
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Status	Jun 15, 2010
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