

SIMATIC S7-200 SMART, Digital output SM DT08, 8 DO, 24 V DC, Transistor 0.75A



Supply voltage	
Rated value (DC)	Yes; Nom. 24 V
<ul style="list-style-type: none"> • 24 V DC 	
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V
Input current	
from backplane bus 5 V DC, typ.	95 mA; For 5 V DC from CPU module
Output voltage	
Power supply to the transmitters	
<ul style="list-style-type: none"> • Rated value (DC) 	24 V
Digital inputs	
Number of digital inputs	0
Digital outputs	
Number of digital outputs	8
<ul style="list-style-type: none"> • in groups of 	2
Current-sinking	No
Current-sourcing	Yes

Short-circuit protection	No
Controlling a digital input	Yes
Switching capacity of the outputs	
• with resistive load, max.	0.75 A
• on lamp load, max.	5 W
Output voltage	
• Rated value (DC)	24 V
• for signal "0", max.	0.1 V
• for signal "1", min.	20 V DC
Output current	
• for signal "1" permissible range, max.	0.75 A
• for signal "1" permissible range for 0 to 40 °C, max.	750 mA
• 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
Parallel switching of two outputs	
• for logic links	Yes
• for uprating	Yes
• for redundant control of a load	Yes
Total current of the outputs (per group)	
all mounting positions	
— up to 40 °C, max.	3 A
horizontal installation	
— up to 50 °C, max.	3 A
vertical installation	
— up to 40 °C, max.	3 A
all other mounting positions	
— up to 40 °C, max.	3 A
Cable length	
• shielded, max.	500 m
• unshielded, max.	150 m
Interrupts/diagnostics/status information	
Diagnostics indication LED	
• for status of the outputs	Yes
Potential separation	
Potential separation digital outputs	
• between the channels	Yes; Optocoupler
Isolation	
Isolation tested with	500V AC for 1 minute

Degree and class of protection

Degree of protection acc. to EN 60529

- IP20

Yes

Standards, approvals, certificates

CE mark

Yes

Dimensions

Width

45 mm

Height

100 mm

Depth

81 mm

Weights

Weight, approx.

147 g

last modified:

07/17/2018