SIEMENS

Data sheet 6ES7288-2DT08-0AA0

	SIMATIC S7-200 SMART, Digital output SM DT08, 8 DO, 24 V DC, Transistor 0.75A
General information	
Product type designation	SM DT08, DQ 8x24 V DC/0.75 A
Supply voltage	
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, typ.	95 mA; For 5 V DC from CPU module
Digital inputs	
Number of digital inputs	0
Digital outputs	
Number of digital outputs	8
● 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" rated value	0.75 A
● 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	

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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	
IP degree of protection	IP20
Standards, approvals, certificates	
CE mark	Yes
Dimensions	
Width	45 mm
Height	100 mm
Depth	81 mm
Weights	
Weight, approx.	147 g

Classifications

	Version	Classification
eClass	16	27-24-22-04
eClass	14	27-24-22-04
eClass	12	27-24-22-04
eClass	9.1	27-24-22-04
eClass	9	27-24-22-04
eClass	8	27-24-22-04
eClass	7.1	27-24-22-04
eClass	6	27-24-22-04
ETIM	10	EC001419
ETIM	9	EC001419
ETIM	8	EC001419
ETIM	7	EC001419
IDEA	4	3566
UNSPSC	15	32-15-17-05

Approvals / Certificates

General Product Approval

China RoHS

General Product Approval

Manufacturer Declaration

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