

SIMATIC S7-200 SMART, Digital output SM DR08, 8 DO, relay 2 A

General information	
Product type designation	SM DR08, DQ 8x relay
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	
Current consumption, typ.	80 mA; Current for 24 V DC input power
from backplane bus 5 V DC, typ.	90 mA; For 5 V DC from CPU module
Digital inputs	
Number of digital inputs	0
Digital outputs	
Number of digital outputs	8
Short-circuit protection	No
Output delay with resistive load	
<ul style="list-style-type: none"> <li>"0" to "1", max.</li> <li>"1" to "0", max.</li> </ul>	10 ms 10 ms
Relay outputs	
<ul style="list-style-type: none"> <li>Number of relay outputs</li> <li>Rated supply voltage of relay coil L+ (DC)               <ul style="list-style-type: none"> <li>Reverse polarity protection</li> </ul> </li> <li>Current consumption of relays (coil current of all relays), max.</li> </ul>	8 24 V Yes 80 mA
Switching capacity of contacts	
<ul style="list-style-type: none"> <li>with inductive load, max.</li> <li>on lamp load, max.</li> <li>with resistive load, up to 50 °C, max.</li> <li>with resistive load, max.</li> <li>Thermal continuous current, max.</li> </ul>	2 A 30 W; 30 W with DC, 200 W with AC 2 A 2 A 2 A
Cable length	
<ul style="list-style-type: none"> <li>shielded, max.</li> <li>unshielded, max.</li> </ul>	500 m 150 m
Interrupts/diagnostics/status information	
Diagnostics indication LED <ul style="list-style-type: none"> <li>for status of the outputs</li> </ul>	Yes
Potential separation	
Potential separation digital outputs <ul style="list-style-type: none"> <li>between the channels</li> </ul>	Yes; Relay, dry contact
Isolation	
Isolation tested with	1 500 V 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.	166.3 g
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