

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



Supply voltage	
Rated value (DC)	Yes; Nom. 24 V
<ul style="list-style-type: none"> <li>• 24 V DC</li> </ul>	
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	
Relay outputs	
<ul style="list-style-type: none"> <li>• Number of relay outputs</li> </ul>	8
<ul style="list-style-type: none"> <li>• Rated supply voltage of relay coil L+ (DC)</li> </ul>	24 V
<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>— Reverse polarity protection</li> </ul> </li> </ul>	Yes
<ul style="list-style-type: none"> <li>• Current consumption of relays (coil current of all relays), max.</li> </ul>	80 mA
Switching capacity of contacts	

— with inductive load, max.	2 A
— on lamp load, max.	30 W; 30 W with DC, 200 W with AC
— with resistive load, up to 50 °C, max.	2 A
— with resistive load, max.	2 A
— Thermal continuous current, max.	2 A

#### Cable length

• shielded, max.	500 m
• unshielded, max.	150 m

#### Interrupts/diagnostics/status information

##### Diagnostics indication LED

• for status of the outputs	Yes
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#### Potential separation

##### Potential separation digital outputs

• between the channels	Yes; Relay, dry contact
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#### Isolation

Isolation tested with	1500 V AC for 1 minute
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#### Degree and class of protection

##### Degree of protection acc. to EN 60529

• IP20	Yes
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#### Standards, approvals, certificates

CE mark	Yes
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#### Dimensions

Width	45 mm
Height	100 mm
Depth	81 mm

#### Weights

Weight, approx.	166.3 g
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**last modified:** 07/17/2018