

SIMATIC S7-1200, DIGITAL OUTPUT SM 1226, F-DQ 4X 24VDC 2A, PROFISAFE, 70 MM WIDTH, UP TO PL E (ISO 13849-1)/ UP TO SIL3 (IEC 61508)



### Supply voltage

Rated value (DC)	
<ul style="list-style-type: none"> <li>• 24 V DC</li> </ul>	Yes
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V

### Input current

from backplane bus 5 V DC, max.	125 mA
<b>Digital inputs</b>	
<ul style="list-style-type: none"> <li>• from load voltage L+ (without load), max.</li> </ul>	170 mA

### Power loss

Power loss, typ.	8 W
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### Digital outputs

Number of digital outputs	4
<ul style="list-style-type: none"> <li>• in groups of</li> </ul>	1
Short-circuit protection	Yes
<b>Switching capacity of the outputs</b>	
<ul style="list-style-type: none"> <li>• with resistive load, max.</li> </ul>	30 Hz

• on lamp load, max.	10 Hz
<b>Output voltage</b>	
• Rated value (DC)	24 V
<b>Output current</b>	
• for signal "1" rated value	2 A
• for signal "1" permissible range, max.	10 mA to 2.4 A
• for signal "0" residual current, max.	P-switch: 0.5 mA, maximum; M-switch: 0.5 mA, maximum
<b>Cable length</b>	
• shielded, max.	200 m
• unshielded, max.	200 m
<b>Interrupts/diagnostics/status information</b>	
<b>Diagnostics indication LED</b>	
• for status of the outputs	Yes
<b>Standards, approvals, certificates</b>	
CE mark	Yes
cULus	Yes
FM approval	Yes
<b>Highest safety class achievable in safety mode</b>	
• SIL acc. to IEC 61508	SIL 3
<b>Ambient conditions</b>	
<b>Free fall</b>	
• Fall height, max.	0.3 m; five times, in product package
<b>Ambient temperature during operation</b>	
• min.	0 °C
• max.	55 °C
• permissible temperature change	5°C to 55°C, 3°C / minute
<b>Ambient temperature during storage/transportation</b>	
• min.	-40 °C
• max.	70 °C
<b>Air pressure acc. to IEC 60068-2-13</b>	
• Storage/transport, min.	660 hPa
• Storage/transport, max.	1 080 hPa
<b>Relative humidity</b>	
• permissible range (without condensation) at 25 °C	95 %
<b>Mechanics/material</b>	
<b>Enclosure material (front)</b>	
• Plastic	Yes
<b>Dimensions</b>	
Width	70 mm

Height	100 mm
Depth	75 mm
<b>Weights</b>	
Weight, approx.	270 g
<b>last modified:</b>	24.02.2016