

SIMATIC S7-1200, DIGITAL INPUT, SM 1226, F-DI 16X 24VDC, PROFISAFE, 70 MM WIDTH, UP TO PL E (ISO 13849-1)/ UP TO SIL3 (IEC 61508)

Supply voltage	
Rated value (DC)	
• 24 V DC	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.	155 mA
Power losses	
Power loss, typ.	7 W
Digital inputs	
Number of digital inputs	16
horizontal installation	
— up to 50 °C, max.	16
vertical installation	
— up to 40 °C, max.	16
Input current	
• for signal "0", max. (permissible quiescent current)	0.5 mA
Input delay (for rated value of input voltage)	
for standard inputs	
— Parameterizable	Yes
Cable length	
• shielded, max.	200 m
• Unshielded, max.	200 m
Diagnostics indication LED	
• for status of the inputs	Yes
Standards, approvals, certificates	
CE mark	Yes
cULus	Yes
FM approval	Yes
Ambient conditions	
Free fall	
• Drop height, max. (in packaging)	0.3 m; five times, in dispatch package

Ambient temperature in operation	
• Min.	0 °C
• max.	55 °C
• Permissible temperature change	5°C to 55°C, 3°C / minute
Storage/transport temperature	
• Min.	-40 °C
• max.	70 °C
Air pressure acc. to IEC 60068-2-13	
• Storage/transport, min.	660 hPa
• Storage/transport, max.	1 080 hPa
Relative humidity	
• Permissible range (without condensation) at 25 °C	95 %
Mechanics/material	
Type of housing (front)	
• plastic	Yes
Dimensions	
Width	70 mm
Height	100 mm
Depth	75 mm
Weights	
Weight, approx.	250 g
last modified:	03.03.2015