

6ES7226-6DA32-0XB0

Digital Output SM 1226, F-DQ 4x 24VDC

DetailPages.TechnicalData



SIMATIC S7-1200, Digital output SM 1226, F-DQ 4x 24 V DC 2A, PROFIsafe, 70 mm overall width, up to PL E (ISO 13849-1)/ SIL3 (IEC 61508)

General information	
Product type designation	SM 1226 F-DQ 4x 24 VDC
Supply voltage	
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
Digital outputs	
<ul style="list-style-type: none"> from load voltage L+, max. 	170 mA
Power loss	
Power loss, typ.	8 W
Digital outputs	
Number of digital outputs	4
<ul style="list-style-type: none"> in groups of 	1
Short-circuit protection	Yes
Switching capacity of the outputs	
<ul style="list-style-type: none"> with resistive load, max. 	30 Hz
<ul style="list-style-type: none"> on lamp load, max. 	10 Hz
Output voltage	
<ul style="list-style-type: none"> Rated value (DC) 	24 V
Output current	
<ul style="list-style-type: none"> for signal "1" rated value 	2 A
<ul style="list-style-type: none"> for signal "1" permissible range, max. 	10 mA to 2.4 A
<ul style="list-style-type: none"> for signal "0" residual current, max. 	P-switch: 0.5 mA, maximum; M-switch: 0.5 mA, maximum
Cable length	
<ul style="list-style-type: none"> shielded, max. 	200 m
<ul style="list-style-type: none"> unshielded, max. 	200 m
Interrupts/diagnostics/status information	
Diagnostics indication LED	
<ul style="list-style-type: none"> for status of the outputs 	Yes
Standards, approvals, certificates	
CE mark	Yes
cULus	Yes
FM approval	Yes
Highest safety class achievable in safety mode	
<ul style="list-style-type: none"> Performance level according to ISO 13849-1 	Category 4, PL e
<ul style="list-style-type: none"> SIL acc. to IEC 61508 	SIL 3
Probability of failure (for service life of 20 years and repair time of 100 hours)	
— Low demand mode: PFDavg in accordance with SIL3	< 1.00E-05
— High demand/continuous mode: PFH in accordance with SIL3	< 4.00E-09
Ambient conditions	
Free fall	
<ul style="list-style-type: none"> Fall height, max. 	0.3 m; five times, in product package
Ambient temperature during operation	
<ul style="list-style-type: none"> min. 	0 °C
<ul style="list-style-type: none"> max. 	55 °C
<ul style="list-style-type: none"> permissible temperature change 	5°C to 55°C, 3°C / minute
Ambient temperature during storage/transportation	
<ul style="list-style-type: none"> min. 	-40 °C
<ul style="list-style-type: none"> max. 	70 °C
Air pressure acc. to IEC 60068-2-13	
<ul style="list-style-type: none"> Storage/transport, min. 	660 hPa
<ul style="list-style-type: none"> Storage/transport, max. 	1 080 hPa
Relative humidity	

• Operation at 25 °C without condensation, max.

95 %

Mechanics/material

Enclosure material (front)

• Plastic

Yes

Dimensions

Width

70 mm

Height

100 mm

Depth

75 mm

Weights

Weight, approx.

270 g

last modified:

1/16/2021