SIEMENS

Product data sheet

6ES7326-2BF41-0AB0



SIMATIC S7, DIGITAL OUTPUT SM 326, F-DO 8 X DC 24V/2A PM FAILSAFE DIGITAL OUTPUTS P-M SWITCHING UP TO CATEGORY 4 (EN954-1)/ SIL3 (IEC61508)/PLE (ISO13849), 1 X 40 PIN

Supply voltage		
Load voltage L+		
Rated value (DC)	24 V ; 1L+, 2L+, 3L+	
Input current		
from load voltage1L+, max.	75 mA ; from supply voltage	
from load voltage 2L+ (without load), max.	100 mA	
from load voltage 3L+ (without load), max.	100 mA	
from backplane bus 5 V DC, max.	100 mA	
Power losses		
Power loss, typ.	12 W	
Digital outputs		
Number/binary outputs	8	
Functionality/short-circuit strength	Yes; Electronic	
Limitation of inductive shutdown voltage to	L+ (-33 V)	
Lamp load, max.	5 W	
Output voltage		
for signal "1" without series diode, min.	L+ (-1.0 V)	
Output current		

for signal "1" rated value	2 A
for signal "1" permissible range for 0 to 40 °C, min.	7 mA
for signal "1" permissible range for 0 to 40 °C, max.	2 A; 2 A for horizontal installation, 1 A for vertical installation
for signal "1" permissible range for 40 to 60 °C, min.	7 mA
for signal "1" permissible range for 40 to 60 °C, max.	1 A ; for horizontal installation
for signal "0" residual current, max.	0.5 mA
Switching frequency	
with resistive load, max.	30 Hz
with inductive load, max.	2 Hz
on lamp load, max.	10 Hz
Aggregate current of outputs (per group)	
horizontal installation	
up to 40 °C, max.	7.5 A
up to 60 °C, max.	5 A
vertical installation	
up to 40 °C, max.	5 A
Cable length	
Cable length, shielded, max.	200 m; 200 m for SIL3, AK 6, Cat 4
Cable length unshielded, max.	200 m
Interrupts/diagnostics/status information	
Alarms	
Diagnostic alarm	Yes ; Parameterizable
Diagnostic messages	
Diagnostic information readable	Yes
Diagnostics indication LED	
Fail-safe operation	Yes
Group error SF (red)	Yes
Galvanic isolation	
Galvanic isolation digital outputs	
between the channels	Yes
between the channels, in groups of	4
between the channels and the backplane bus	Yes
between the channels and the power supply of the electronics	Yes
Isolation	
Isolation checked with	500 V DC / 350 V AC
Standards, approvals, certificates	

acc. to IEC 61508	SIL 3
Connection method	
required front connector	40-pin
Dimensions	
Width	80 mm
Height	125 mm
Depth	120 mm
Weight	
Weight, approx.	465 g
Status	Mar 4, 2013