

# SIEMENS

## Product data sheet

**6ES7326-2BF10-0AB0**


SIMATIC S7, DIGITAL OUTPUT SM326,  
F-DO10 X DC24V/2A PP,  
FAILSAFE DIGITAL OUTPUT FOR SIMATIC S7F  
SYSTEMS WITH DIAGNOST. INTERRUPT,  
LVV, 1 X 40 PIN

<b>Supply voltage</b>	
Load voltage L+	
Rated value (DC)	24 V ; 1L+, 2L+, 3L+
<b>Input current</b>	
from load voltage 1L+, max.	100 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
<b>Power losses</b>	
Power loss, typ.	6 W
<b>Digital outputs</b>	
Number/binary outputs	10
Functionality/short-circuit strength	Yes ; Electronic
Lamp load, max.	5 W
<b>Output current</b>	

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.	2.4 A
for signal "1" permissible range for 40 to 60 °C, min.	7 mA
for signal "1" permissible range for 40 to 60 °C, max.	2.4 A
for signal "0" residual current, max.	0.5 mA
<b>Switching frequency</b>	
with resistive load, max.	25 Hz
with inductive load, max.	25 Hz
on lamp load, max.	10 Hz
<b>Aggregate current of outputs (per group)</b>	
<b>horizontal installation</b>	
up to 40 °C, max.	10 A
up to 60 °C, max.	6 A
<b>vertical installation</b>	
up to 40 °C, max.	5 A
<b>Cable length</b>	
Cable length, shielded, max.	1000 m
Cable length unshielded, max.	600 m
<b>Interrupts/diagnostics/status information</b>	
<b>Alarms</b>	
Diagnostic alarm	Yes
<b>Diagnostic messages</b>	
Diagnostic information readable	Yes
<b>Diagnostics indication LED</b>	
Fail-safe operation	Yes
Group error SF (red)	Yes
<b>Galvanic isolation</b>	
<b>Galvanic isolation digital outputs</b>	
between the channels	Yes
between the channels, in groups of	5

between the channels and the backplane bus	Yes
between the channels and the power supply of the electronics	Yes
<b>Isolation</b>	
Isolation checked with	370 V for 1 min
<b>Standards, approvals, certificates</b>	
Highest safety class achievable in safety mode	
acc. to DIN VDE 0801	AK 5 and 6
acc. to EN 954	Cat. 4
acc. to IEC 61508	SIL 3
<b>Connection method</b>	
required front connector	40-pin
<b>Dimensions</b>	
Width	40 mm
Height	125 mm
Depth	120 mm
<b>Weight</b>	
Weight, approx.	330 g
Status	Jul 17, 2012