

SIEMENS

Product data sheet

6ES7326-2BF41-0AB0


SIMATIC S7, DIGITAL OUTPUT SM 326,
F-DO 8 X DC 24V/2A PM FAILSAFE DIGITAL
OUTPUT P-M SWITCHING UP TO CATEGORY 4
(EN954-1),
SIL 3 (IEC 61508)

Supply voltage	
Load voltage L+	
Rated value (DC)	24 V ; 1L+, 2L+, 3L+
Input current	
from load voltage 1L+, 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
Diagnoses	
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	
Highest safety class achievable in safety mode	
acc. to EN 954	Cat. 4
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	Sep 22, 2011