



SIMATIC S7, DIGITAL OUTPUT SM326,
 F-DO10 X DC24V/2A PP,
 FAILSAFE DIGITAL OUTPUTS FOR SIMATIC S7F
 SYSTEMS WITH DIAGNOST. INTERRUPT,
 LVV,
 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 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
Power losses	
Power loss, typ.	6 W
Digital outputs	
Number of digital outputs	10
Short-circuit protection	Yes
Switching capacity of the outputs	
Lamp load, max.	5 W
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.	2.4 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
Switching frequency	
with resistive load, max.	25 Hz
with inductive load, max.	25 Hz
on lamp load, max.	10 Hz
Aggregate current of outputs (per group)	
horizontal installation	
up to 40 °C, max.	10 A
up to 60 °C, max.	6 A
vertical installation	
up to 40 °C, max.	5 A
Cable length	
Cable length, shielded, max.	1000 m
Cable length unshielded, max.	600 m
Interrupts/diagnostics/status information	
Alarms	
Diagnostic alarm	Yes
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	5
between the channels and the backplane bus	Yes
between the channels and the power supply of the electronics	Yes
Isolation	
Isolation checked with	370V for 1 min
Standards, approvals, certificates	
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
Connection method	
required front connector	40-pin
Dimensions	
Width	40 mm
Height	125 mm
Depth	120 mm
Weights	
Weight, approx.	330 g
Status	Jun 3, 2014