

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	
Rated value (DC)	24 V; 1L+
Load voltage L+	
• Rated value (DC)	24 V; 2L+, 3L+
Input current	
from supply voltage 1L+, max.	100 mA
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 loss	
Power loss, typ.	6 W
Digital outputs	
Number of digital outputs	10
Short-circuit protection	Yes
Switching capacity of the outputs	
• on 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
<b>Switching frequency</b>	
• with resistive load, max.	25 Hz
• with inductive load, max.	25 Hz
• on lamp load, max.	10 Hz
<b>Total current of the 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>	
• shielded, max.	1 000 m
• 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>Potential separation</b>	
<b>Potential separation digital outputs</b>	
• between the channels	Yes
• between the channels, in groups of	5
• between the channels and backplane bus	Yes
• between the channels and the power supply of the electronics	Yes
<b>Isolation</b>	
Isolation tested with	370V for 1 min
<b>Standards, approvals, certificates</b>	
Highest safety class achievable in safety mode	

- acc. to DIN VDE 0801
- acc. to EN 954
- SIL acc. to IEC 61508

AK 5 and 6

Cat. 4

SIL 3

#### Connection method

required front connector

40-pin

#### Dimensions

Width

40 mm

Height

125 mm

Depth

120 mm

#### Weights

Weight, approx.

330 g

**last modified:**

12/10/2016