

SIPLUS S7-300 SM326F DO8 WITH CONFORMAL COATING ACCORD. EN50155 T1 CAT 1 CL A/B BASED ON 6ES7326-2BF41-0AB0 . DIGITAL OUTPUT 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 loss	
Power loss, typ.	12 W
Digital outputs	
Number of digital outputs	8
Limitation of inductive shutdown voltage to	L+ (-33 V)
Switching capacity of the outputs	
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 ; with horizontal installation, 1 A with 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
Total current of the outputs (per group)	

horizontal installation	
up to 40 °C, max.	7.5 A
up to 60 °C, max.	4 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
Standards, approvals, certificates	
CE mark	Yes
KC approval	Yes
RCM (former C-TICK)	Yes
EAC (former Gost-R)	Yes
EN 50155	Yes ; T1 Cat. 1 Cl. A/B horizontal mounting position
Highest safety class achievable in safety mode	
acc. to EN 954	Cat. 4
acc. to IEC 61508	SIL 3
Ambient conditions	
Extended ambient conditions	
relative to ambient temperature-atmospheric pressure-installation altitude	Tmin ... Tmax at 1080 hPa ... 795 hPa (-1000 m ... +2000 m)
Mechanical and climatic conditions during operation	
Climatic conditions in operation	

Temperature	
min.	-25 °C ; = Tmin
max.	60 °C ; = Tmax; the rated temperature range of -25 ... +55 °C (T1) applies for the use on railway vehicles according to EN50155
Connection method	
required front connector	40-pin
Dimensions	
Width	80 mm
Height	125 mm
Depth	120 mm
Weights	
Weight, approx.	465 g
Status	Jul 29, 2014