



Figure similar

spare part SIMATIC S7, digital output SM 326, F-DO 8x24 V DC/2 A PM fail-safe digital output sinking-sourcing, up to category 4 (EN 954-1)/ SIL3 (IEC61508)/PLE (ISO13849), 1x 40-pole

Supply voltage	
Rated value (DC)	24 V; 1L+
Reverse polarity protection	Yes
Load voltage L+	
• Rated value (DC)	24 V; 2L+, 3L+
• Reverse polarity protection	No
Input current	
from supply voltage 1L+, max.	75 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.	12 W
Digital outputs	
Number of digital outputs	8
Short-circuit protection	Yes
Limitation of inductive shutdown voltage to	L+ (-33 V)
Switching capacity of the outputs	
• on lamp load, max.	5 W
Output voltage	
• for signal "1", 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
Total current of the 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			
• shielded, max. • unshielded, max.	200 m; 200 m for SIL 3, AK 6, Cat 4 200 m		
Interrupts/diagnostics/status information			
Alarms			
• Diagnostic alarm	Yes; Parameterizable		
Diagnoses			
• Diagnostic information readable	Yes		
Diagnostics indication LED			
• Fail-safe operation • Group error SF (red)	Yes Yes		
Potential separation			
Potential separation digital outputs			
• between the channels • between the channels, in groups of • between the channels and backplane bus • between the channels and the power supply of the electronics	Yes 4 Yes Yes		
Isolation			
Isolation tested with	500 V DC/350 V AC		
Standards, approvals, certificates			
Highest safety class achievable in safety mode			
• acc. to EN 954 • Performance level according to ISO 13849-1 • SIL acc. to IEC 61508	Cat. 4 e SIL 3		
Connection method			
required front connector	40-pin		
Dimensions			
Width	80 mm		
Height	125 mm		
Depth	120 mm		
Weights			
Weight, approx.	465 g		
Classifications			
		Version	Classification
	eClass	14	27-24-22-04
	eClass	12	27-24-22-04
	eClass	9.1	27-24-22-04
	eClass	9	27-24-22-04
	eClass	8	27-24-22-04
	eClass	7.1	27-24-22-04
	eClass	6	27-24-22-04
	ETIM	10	EC001419
	ETIM	9	EC001419
	ETIM	8	EC001419
	ETIM	7	EC001419
	IDEA	4	3566
	UNSPSC	15	32-15-17-05
Approvals / Certificates			
General Product Approval			Maritime application



[Confirmation](#)



[Miscellaneous](#)



[CCS \(China Classification Society\)](#)

other	Railway		Environment	
	Confirmation	Confirmation		Environmental Con- firmations

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