

Data sheet

6ES7326-2BF41-0AB0



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.		200 m; 200 m for SIL 3, AK 6, Cat 4	
• 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	
Potential separation			
Potential separation digital outputs			
• between the channels		Yes	
• between the channels, in groups of		4	
• between the channels and backplane bus		Yes	
• between the channels and the power supply of the electronics		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		Cat. 4	
• Performance level according to ISO 13849-1		e	
• SIL acc. to IEC 61508		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			

[Miscellaneous](#)


General Product Approval	EMV	For use in hazardous locations			
China RoHS	 RCM	 ATEX	FM	 UL	 IECEX
For use in hazardous locations			Functional Safety		Maritime application
 ATEX	Miscellaneous	CCC-Ex	TUEV	Type Examination Certificate	 ABS
Maritime application					
 BUREAU VERITAS	 DNV	 LRS	NK / Nippon Kaiji Kyokai	 PRS	 RINA
Maritime application					
CCS (China Classification Society)					

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4/7/2025

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