



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

<b>Cable length</b>		
• shielded, max.	200 m; 200 m for SIL 3, AK 6, Cat 4	
• unshielded, max.	200 m	
<b>Interrupts/diagnostics/status information</b>		
<b>Alarms</b>		
• Diagnostic alarm	Yes; Parameterizable	
<b>Diagnoses</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	4	
• between the channels and backplane bus	Yes	
• between the channels and the power supply of the electronics	Yes	
<b>Isolation</b>		
Isolation tested with	500 V DC/350 V AC	
<b>Standards, approvals, certificates</b>		
<b>Highest safety class achievable in safety mode</b>		
• acc. to EN 954	Cat. 4	
• Performance level according to ISO 13849-1	e	
• SIL acc. to IEC 61508	SIL 3	
<b>Connection method</b>		
required front connector	40-pin	
<b>Dimensions</b>		
Width	80 mm	
Height	125 mm	
Depth	120 mm	
<b>Weights</b>		
Weight, approx.	465 g	
<b>Classifications</b>		
	<b>Version</b>	<b>Classification</b>
eClass	16	27-24-22-04
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
<b>Approvals / Certificates</b>		
<b>General Product Approval</b>	<b>other</b>	

[Manufacturer Declaration](#)   [Manufacturer Declaration](#)

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