



Figure similar

spare part SIPLUS S7-300 SM 326F DI8 NAMUR based on 6ES7326-1RF00-0AB0 with conformal coating, 0...+60 °C,

Supply voltage	
Rated value (DC)	24 V
Input current	
from load voltage L+ (without load), max.	160 mA
from backplane bus 5 V DC, max.	90 mA
Encoder supply	
Number of outputs	8
Type of output voltage	8.2 V DC
Power loss	
Power loss, typ.	4.5 W
Digital inputs	
Number of digital inputs	8; 8 (one-channel); 4 (two-channel)
Number of simultaneously controllable inputs	
all mounting positions	
— up to 40 °C, max.	8; vertical setup
— up to 60 °C, max.	8; horizontal set up
Input voltage	
• Type of input voltage	DC
• Rated value (DC)	in accordance with DIN 19234 or NAMUR
Input current	
• for signal "0", max. (permissible quiescent current)	0.35 to 1.2 mA
• for signal "1", typ.	2.1 to 7 mA
Input delay (for rated value of input voltage)	
for NAMUR inputs	
— at "0" to "1", max.	1.2 to 3 ms
— at "1" to "0", max.	1.2 to 3 ms
Cable length	
• shielded, max.	200 m
• unshielded, max.	100 m
Interrupts/diagnostics/status information	
Alarms	
• Diagnostic alarm	Yes
Diagnoses	
• Diagnostic information readable	Yes
Diagnostics indication LED	
• Fail-safe operation	Yes
• Group error SF (red)	Yes
Ex(i) characteristics	

Module for Ex(i) protection	Yes
maximum values for connecting terminals for gas group IIC	
• U _o (no-load voltage), max.	10 V
• I _o (short-circuit current), max.	13.9 mA
• P _o (power output), max.	33.1 mW
• C _o (permissible external capacity), max.	3 µF
• L _o (permissible external inductivity), max.	80 mH
• U _m (voltage at non-intrinsically safe connecting terminals), max.	60 V DC/30 V AC
Potential separation	
Potential separation digital inputs	
• between the channels	Yes
• 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
Standards, approvals, certificates	
CE mark	Yes
UL approval	Yes; File E239877
FM approval	Yes; CofC 3028431
RCM (formerly C-TICK)	Yes
KC approval	Yes
EAC (formerly Gost-R)	Yes
Highest safety class achievable in safety mode	
• acc. to DIN VDE 0801	AK 4 (one channel), AK 5 und 6 (two channel)
• acc. to EN 954	Cat. 3 (single-channel), Cat. 4 (two-channel)
• Performance level according to ISO 13849-1	e
• SIL acc. to IEC 61508	SIL 2 (single-channel), SIL 3 (two-channel)
Use in hazardous areas	
• ATEX certificate	99 ATEX 2671 X
Railway application	
• EN 50155	No
Ambient conditions	
Ambient temperature during operation	
• min.	0 °C; = T _{min}
• max.	60 °C; = T _{max}
Altitude during operation relating to sea level	
• Ambient air temperature-barometric pressure-altitude	T _{min} ... T _{max} at 1 080 hPa ... 795 hPa (-1 000 m ... +2 000 m)
Relative humidity	
• With condensation, tested in accordance with IEC 60068-2-38, max.	100 %; RH incl. condensation/frost (no commissioning under condensation conditions)
Resistance	
Use in stationary industrial systems	
— to biologically active substances according to EN 60721-3-3	Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request
— to chemically active substances according to EN 60721-3-3	Yes; Class 3C4 (RH < 75%) incl. salt spray according to EN 60068-2-52 (degree of severity 3). The supplied connector covers must remain on the unused interfaces during operation!
— to mechanically active substances according to EN 60721-3-3	Yes; Class 3S4 incl. sand, dust. The supplied connector covers must remain on the unused interfaces during operation!
Connection method	
required front connector	40-pin
Dimensions	
Width	80 mm
Height	125 mm
Depth	120 mm
Weights	
Weight, approx.	482 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

[Manufacturer Declaration](#)



[China RoHS](#)

[TUEV](#)



EMV

Test Certificates



[TUEV](#)

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