Data sheet

SIPLUS S7-1200 SM 1278 IO-Link with conformal coating based on 6ES7278-4BD32-0XB0 . Signal module SM 1278 4xIO-Link Master IO-Link Master V1.1

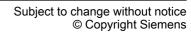


Figure similar

General information				
Product type designation	SM 1278 4xIO-Link master			
Supply voltage				
Rated value (DC)	24 V			
permissible range, lower limit (DC)	20.4 V			
permissible range, upper limit (DC)	28.8 V			
Power loss				
Power loss, typ.	1 W			
Interrupts/diagnostics/status information				
	Voc			
Diagnostics function	Yes			
Degree and class of protection				
IP degree of protection	IP20			
Ambient conditions				
Free fall				
• Fall height, max.	0.3 m; five times, in product package			

• min.	-20 °C; = Tmin (incl. condensation/frost); start-up @ 0 °C		
• max.	60 °C; = Tmax		
 At cold restart, min. 	0 °C		
mbient temperature during storage/transportation			
• min.	-40 °C		
• max.	70 °C		
titude during operation relating to sea level			
Installation altitude above sea level, max.	5 000 m		
Ambient air temperature-barometric pressure- altitude	Tmin Tmax at 1 140 hPa 795 hPa (-1 000 m +2 000 m) // Tmin (Tmax - 10 K) at 795 hPa 658 hPa (+2 000 m +3 50 m) // Tmin (Tmax -20 K) at 658 hPa 540 hPa (+3 500 m + 000 m)		
elative humidity			
 With condensation, tested in accordance with IEC 60068-2-38, max. 	100 %; RH incl. condensation/frost (no commissioning under condensation conditions)		
esistance			
Coolants and lubricants			
 Resistant to commercially available coolants and lubricants 	Yes; Incl. diesel and oil droplets in the air		
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 acc. to EN 60068-2-52 (severity degree 3); *		
 to mechanically active substances according to EN 60721-3-3 	Yes; Class 3S4 incl. sand, dust, *		
Use on ships/at sea			
 to biologically active substances according to EN 60721-3-6 	Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request		
 to chemically active substances according to EN 60721-3-6 	Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *		
 to mechanically active substances according to EN 60721-3-6 	Yes; Class 6S3 incl. sand, dust; *		
Usage in industrial process technology			
 Against chemically active substances acc. to EN 60654-4 	Yes; Class 3 (excluding trichlorethylene)		
 Environmental conditions for process, measuring and control systems acc. to ANSI/ISA-71.04 	Yes; Level GX group A/B (excluding trichlorethylene; harmful gas concentrations up to the limits of EN 60721-3-3 class 3C4 permissible); level LC3 (salt spray) and level LB3 (oil)		
Remark			
 Note regarding classification of environmental conditions acc. to EN 60721, 	* The supplied plug covers must remain in place over the unused interfaces during operation!		





Ö PNAP

6AG1278-4BD32-4XB0

Conformal coating

 Coatings for printed circuit board assemblies acc. to EN 61086

• Protection against fouling acc. to EN 60664-3

• Military testing according to MIL-I-46058C, Amendment 7

 Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A Yes; Class 2 for high reliability

Yes; Type 1 protection

Yes; Discoloration of coating possible during service life

Yes; Conformal coating, Class A

Connection method

required front connector Yes

Mechanics/material

Enclosure material (front)

• Plastic Yes

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2 6 6	
Width	45 mm
Height	100 mm
Depth	75 mm

Weights

Weight, approx. 150 g

last modified: 10/13/2020

