Data sheet

SIPLUS S7-1500 DI 16x 48VUC/ 125V -40...+70°C with conformal coating based on "6ES7521-7EH00-0AB0 . ""16" "channels in groups of 1;""" Input delay 0.05..20ms Input "type 3 (IEC 61131);""" "diagnostics; hardware" "interrupts"""

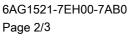


Figure similar

General information		
Product type designation	DI 16x24 125 V UC HF	
Digital inputs		
Number of digital inputs	16	
Input voltage		
Rated value (DC)	24 V	
• Rated value (AC)	24 V	
• for signal "0"	-5 +5 V	
• for signal "1"	+11 V DC to +146 V DC	
Input current		
● for signal "1", typ.	3 mA; At 24 V DC	
Standards, approvals, certificates		
Suitable for safety functions	No	
Ambient conditions		
Ambient temperature during operation		
 horizontal installation, min. 	-40 °C; = Tmin (incl. condensation/frost)	

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 horizontal installation, max. 70 °C; = Tmax; see Derating B Tmax > 60 °C max. 4 inputs (Inputs of the control of the	BasedOn (e.g. manual), additionally
Altitude during operation relating to sea level	no adjacent points)
 Installation altitude above sea level, max. 2 000 m 	
 Ambient air temperature-barometric pressure- altitude Tmin Tmax at 1 140 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 bedewed state), horizontal inst 	
Resistance	
Coolants and lubricants	
 Resistant to commercially available Yes; Incl. diesel and oil drople coolants and lubricants 	ets in the air
Use in stationary industrial systems	
— to biologically active substances according to EN 60721-3-3 Yes; Class 3B2 mold, fungus exception of fauna); Class 3B2	
 to chemically active substances according to EN 60721-3-3 Yes; Class 3C4 (RH < 75 %) i 52 (severity degree 3); * 	incl. salt spray acc. to EN 60068-2-
— to mechanically active substances Yes; Class 3S4 incl. sand, due according to EN 60721-3-3	st, *
Use on ships/at sea	
to biologically active substances accordingto EN 60721-3-6Yes; Class 6B2 mold and fung6B3 on request	gal spores (excluding fauna); Class
 to chemically active substances according to EN 60721-3-6 Yes; Class 6C3 (RH < 75 %) i 52 (severity degree 3); * 	incl. salt spray acc. to EN 60068-2-
— to mechanically active substances Yes; Class 6S3 incl. sand, due according to EN 60721-3-6	st; *
Usage in industrial process technology	
 Against chemically active substances acc. Yes; Class 3 (excluding trichlo to EN 60654-4 	prethylene)
— Environmental conditions for process, measuring and control systems acc. to ANSI/ISA-71.04 Yes; Level GX group A/B (exconcentrations up to the limits permissible); level LC3 (salt specific process).	
Remark	
environmental conditions acc. to EN 60721, interfaces during operation! EN 60654-4 and ANSI/ISA-71.04	ust remain in place over the unused
Conformal coating	
 Coatings for printed circuit board assemblies acc. to EN 61086 Yes; Class 2 for high reliability 	у
 Protection against fouling acc. to EN 60664-3 Yes; Type 1 protection 	
 Military testing according to MIL-I-46058C, Amendment 7 Yes; Discoloration of coating p 	possible during service life



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 Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A Yes; Conformal coating, Class A

Dimensions	
Width	35 mm
Height	147 mm
Depth	129 mm

last modified: 10/13/2020

