SIEMENS

Data sheet

6AG1545-5DA00-2AB0



SIPLUS ET 200SP CM DP based on 6ES7545-5DA00-0AB0 with conformal coating, -40...+70 °C, CM PROFIBUS DP for ET 200SP CPU PROFIBUS DP interface (9-pole D-sub socket) DP master for 125 DP slaves

Figure similar

Product type designation Designering with STEP 7 TIA Portal configurable/integrated from version Supply voltage Rated value (DC) permissible range, lower limit (DC) Permissible range, upper limit (DC) Permissib		
based on Engineering with • STEP 7 TIA Portal configurable/integrated from version Supply voltage Rated value (DC) 24 V permissible range, upper limit (DC) 28.8 V Reverse polarity protection Yes • RS 485 Yes Protocols • PROFIBUS DP master Yes • SIMATIC communication Yes • PROFIBUS DP device Yes • SIMATIC communication Yes PROFIBUS DP device Yes • Tansmission rate, max. 12 Molt/s • Address area, max. 120 • PROFIBUS DP slave • Transmission rate, max. 120 • Led data per address area, max. 128 byte Services — PG/OP communication Yes PROFIBUS DP slave • Transmission rate, max. 128 byte Services — PG-PG-P communication Yes PROFIBUS DP slave • Transmission rate, max. 120 • Led data per address area, max. 128 byte Services — PG/OP communication Yes; Only with active interface — Routing Yes; Only with active interface PG-PG-PC communication Yes; Only with active interface PG-PG-PC communication Yes; Only with active interface PG-PG-PC communication Yes; Only with active interface PG-PC communication Yes; Only with active interface PG-PC-PC communication Yes; Only with active interface PG-PC-PC-PC-PC-PC-PC-PC-PC-PC-PC-PC-PC-PC-	General information	
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— Inputs 244 byte	— DPV1	Yes
	Transfer memory	
Outputs	— Inputs	244 byte
— Outputs	— Outputs	244 byte

Interface types	
RS 485	
Transmission rate, max.	12 Mbit/s
Cable length, max.	100 m
Protocols	
SIMATIC communication	
S7 routing	Yes
Data record routing	Yes
Interrupts/diagnostics/status information	
Diagnostics function	Yes
Diagnostics indication LED	
for module diagnostics	Yes; green/red DIAG LED
Potential separation	
between backplane bus and interface	Yes
Ambient conditions	
Ambient temperature during operation	
 horizontal installation, min. 	-40 °C; = Tmin (incl. condensation/frost)
 horizontal installation, max. 	70 °C; = Tmax
vertical installation, min.	-40 °C; = Tmin (incl. condensation/frost)
vertical installation, max.	50 °C; = Tmax
Altitude 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 +3 500 m) // Tmin (Tmax -20 K) at 658 hPa 540 hPa (+3 500 m +5 000 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	
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, *
Against mechanical environmental conditions acc. to EN 60721-3-3	Yes; Class 3M8 using the SIPLUS Mounting Kit ET 200SP (6AG1193-6AA00-0AA0)
Use on ships/at sea	Vest Class CD2 mold and furnil array (audulia f
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 to mechanically active substances according to EN.	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 Against mechanical environmental conditions according to EN 60721-3-6	Yes; Class 6S3 incl. sand, dust; * Voc: Class 6M4 using the SIRLUS Mounting Kit ET 200SR (6A C1103 6A A00
Against mechanical environmental conditions acc. to EN 60721-3-6	Yes; Class 6M4 using the SIPLUS Mounting Kit ET 200SP (6AG1193-6AA00-0AA0)
Usage in industrial process technology	Vest Class 2 (evaluding triable = 4b de = 2
— 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, EN 60654-4 and ANSI/ISA-71.04 	* The supplied plug covers must remain in place over the unused interfaces during operation!
Conformal coating	
 Coatings for printed circuit board assemblies acc. to EN 61086 	Yes; Class 2 for high reliability
 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 possible during service life
 Qualification and Performance of Electrical Insulating 	Yes; Conformal coating, Class A

Compound for Printed Board Assemblies according to CC-830A	to IPC-
Dimensions	
Width	35 mm
Height	117 mm
Depth	75 mm
Weights	
Weight, approx.	80 g
	80 g

last modified: 5/29/2024 🖸