SIEMENS

Data sheet

6AG1522-5FF00-7AB0



SIPLUS S7-1500 DO 8x230V AC/2A -40...+70°C with conformal coating based on 6ES7522-5FF00-0AB0 . Digital "output module ""DQ 8xAC 230V/2A;" "TRIAC;"" ""8 channels in groups" "of 1;"" ""2 A per group;""" Substitute value

Figure similar

General information	
Product type designation	DQ 8x230 V AC/2A ST (triac)
Product function	
 I&M data 	Yes; I&M0 to I&M3
 Isochronous mode 	No
Fast startup	Yes; 500 ms
output voltage / header	
Rated value (AC)	120/230 V AC, 50/60 Hz
Power	
Power available from the backplane bus	0.9 W
Power loss	
Power loss, typ.	10.8 W
Digital outputs	
Type of digital output	Triac
Number of digital outputs	8; > +60 °C number of simultaneously controllable outputs max. 8x 0.25 A, max. total current 2 A
Digital outputs, parameterizable	Yes
Short-circuit protection	No
Size of motor starters according to NEMA, max.	5
Switching capacity of the outputs	
with resistive load, max.	2 A
 on lamp load, max. 	50 W
Output voltage	
• for signal "1", min.	L1 (-1.5 V) at maximum output current; L1 (-8.5 V) at minimum output current
Output current	
for signal "1" rated value	2 A
for signal "1" permissible range, min.	10 mA
for signal "1" permissible range, max.	15 A; max. 1 AC cycle
for signal "0" residual current, max.	2 mA
Output delay with resistive load	
• "0" to "1", max.	1 AC cycle
• "1" to "0", max.	1 AC cycle
Parallel switching of two outputs	
 for logic links 	No
for uprating	No
for redundant control of a load	Yes
Switching frequency	

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Resistant to commercially available coolants Yes; Incl. diesel and oil droplets in the air	Resistance	
		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, 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 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
Weights	
Weight, approx.	290 g

last modified:

10/6/2021