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Data sheet

6AG1542-5DX00-7XE0

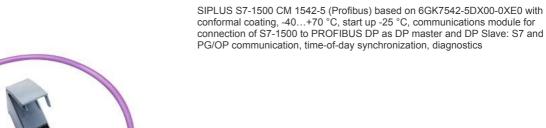


Figure	similar

transfer rate			
transfer rate			
 at the 1st interface / according to PROFIBUS 	9.6 kbit/s 12 Mbit/s		
interfaces			
number of interfaces / according to Industrial Ethernet	0		
number of electrical connections			
 at the 1st interface / according to PROFIBUS 	1		
type of electrical connection			
 at the 1st interface / according to PROFIBUS 	9-pin Sub-D socket (RS485)		
supply voltage, current consumption, power loss			
type of voltage / of the supply voltage	DC		
supply voltage / 1 / from backplane bus	15 V		
relative symmetrical tolerance / at DC			
• at 15 V	3 %		
consumed current			
 from backplane bus / at DC / at 15 V / typical 	0.2 A		
power loss [W]	3 W		
ambient conditions			
ambient temperature			
 for vertical installation / during operation 	-40 +40 °C		
 for horizontally arranged busbars / during operation 	-40 +70 °C		
 during storage 	-40 +70 °C		
during transport	-40 +70 °C		
• note	Startup @ -25 °C		
installation altitude / at height above sea level / maximum	5000 m		
ambient condition / relating to ambient temperature - air pressure - installation 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)		
chemical resistance / to commercially available cooling lubricants	Yes; incl. airborne diesel and oil droplets		
resistance to biologically active substances			
• conformity according to EN 60721-3-3	Yes; Class 3B2 mold and fungal spores (excluding fauna), Class 3B3 on request		
 conformity according to EN 60721-3-6 	Yes; Class 6B2 mold, fungal and dry rot spores (excluding fauna)		
resistance to chemically active substances			
 conformity according to EN 60721-3-3 	Yes; Class 3C4 (RH < 75 %) incl. salt spray in accordance with EN 60068-2-52 (Severity 3). The supplied plug covers must remain in place on the unused interfaces during operation.		
 conformity according to EN 60721-3-6 	Yes		
resistance to mechanically active substances			
 conformity according to EN 60721-3-3 	Yes; Class 3S4 incl. sand, dust. The supplied plug covers must remain in place		

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	over the unused interfaces during operation.		
• conformity according to EN 60721-3-6	Yes; Class 6S3 incl. sand, dust. The supplied plug covers must remain in place		
coating / for equipped printed circuit board / according to EN	over the unused interfaces during operation. Yes; Class 2 for high availability		
61086			
type of coating / protection against pollution according to EN 60664-3	Yes; Protection of the type 1		
type of test / of the coating / according to MIL-I-46058C	Yes; Coating discoloration during service life possible		
product conformity / of the coating / Qualification and	Yes; Conformal coating, class A		
Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A			
protection class IP	IP20		
design, dimensions and weights			
module format	Compact module S7-1500 single width		
width	35 mm		
height	142 mm		
depth	129 mm		
net weight	0.4 kg		
fastening method			
S7-1500 rail mounting	Yes		
product features, product functions, product components / gene			
number of units			
	0		
• per CPU / maximum	8		
• note	depending on CPU type		
performance data / open communication			
number of possible connections / for open communication / by means of SEND/RECEIVE blocks / maximum	30		
data volume			
 as user data per connection / for open communication / by means of SEND/RECEIVE blocks / maximum 	240 byte		
performance data / PROFIBUS DP			
service / as DP master			
• DPV1	Yes		
number of DP slaves			
• on DP master / operable	125		
data volume			
 of the address range of the inputs / as DP master / total 	8192 byte		
 of the address range of the outputs / as DP master / total 	8192 byte		
 of the address range of the inputs / per DP slave 	244 byte		
 of the address range of the outputs / per DP slave 	244 byte		
service / as DP slave	2115,0		
• DPV0	Yes		
• DPV1	Yes		
 data volume of the address range of the inputs / as DP slave / total 	240 hito		
	240 byte		
of the address range of the outputs / as DP slave / total	240 byte		
performance data / S7 communication			
number of possible connections / for S7 communication			
• maximum	48; depending on the system upper limit		
performance data / multi-protocol mode			
number of active connections / with multi-protocol mode	48		
performance data / telecontrol			
protocol / is supported			
• TCP/IP	No		
product functions / management, configuration, engineering			
configuration software			
required	STEP 7 Professional V12 (TIA Portal) or higher		
identification & maintenance function			
I&M0 - device-specific information	Yes		
I&M1 - higher level designation/location designation	Yes		
product functions / diagnostics			
product function / web-based diagnostics	Yes; via S7-1500 CPU		

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