

SIEMENS

Product data sheet

6ES7972-0AA02-0XA0


SIMATIC DP,
RS485 REPEATER FOR THE CONNECTION OF
PROFIBUS/MPI BUS SYSTEMS WITH MAX. 31
NODES;
MAX. 12 MBIT/S,
DEGREE OF PROTECTION IP20 IMPROVED
USABILITY

Supply voltage

24 V DC	Yes
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V

Input current

Current consumption, max.	100 mA ; (100 mA without loads at PG/OP socket; 130 mA load at PG/OP socket (5 V/90 mA); 200 mA load at PG/OP socket (24 V/100 mA))
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Interfaces

Bus cables	2 terminal blocks
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PROFIBUS DP

Transmission rate, max.	12 Mbit/s ; 9.6 kbit/s to 12 Mbit/s
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Ambient conditions

Operating temperature

Min.	0 °C
max.	60 °C

Storage/transport temperature	
Min.	-40 °C
max.	70 °C
Relative humidity	
Operation, max.	95 % ; at 25 °C
Degree and class of protection	
IP20	Yes
Connection method	
Power supply	Terminal block
Dimensions	
Width	45 mm
Height	128 mm
Depth	67 mm
Weight	
Weight, approx.	350 g
Status	Nov 16, 2011