

# 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 PRO-TECTION 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))
Interfaces	
Bus cables	2 terminal blocks
PROFIBUS DP	
Transmission rate, max.	12 Mbit/s ; 9.6 kbit/s to 12 Mbit/s
Degree and class of protection	
IP20	Yes
Ambient conditions	
Operating temperature	

Min.	0 °C
max.	60 °C
<b>Storage/transport temperature</b>	
Min.	-40 °C
max.	70 °C
<b>Relative humidity</b>	
Operation, max.	95 % ; at 25 °C
<b>Connection method</b>	
Power supply	Terminal block
<b>Dimensions</b>	
Width	45 mm
Height	128 mm
Depth	67 mm
<b>Weight</b>	
Weight, approx.	350 g
Status	Jul 17, 2012