



SIMATIC DP, RS485 repeater For connection of PROFIBUS/MPI bus systems with max. 31 nodes max. baud rate 12 Mbit/s, Degree of protection IP20 Improved user handling

Supply voltage			
Rated value (DC)	24 V		
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)		
Power loss			
Power loss, typ.	0.7 W		
Interfaces			
PROFIBUS DP			
• Transmission rate, max.	12 Mbit/s; 9.6 kbit/s to 12 Mbit/s		
Degree and class of protection			
IP degree of protection	IP20		
Ambient conditions			
Ambient temperature during operation			
• min.	0 °C		
• max.	60 °C		
Ambient temperature during storage/transportation			
• min.	-40 °C		
• max.	70 °C		
Relative humidity			
• Operation, max.	95 %; at 25 °C		
connection method			
Design of electrical connection for supply voltage	Terminal module		
Design of electrical connection for PROFIBUS cables	2 terminal blocks		
Dimensions			
Width	45 mm		
Height	128 mm		
Depth	59.3 mm		
Weights			
Weight, approx.	350 g		
Classifications			
		Version	Classification
	eClass	14	27-24-26-08
	eClass	12	27-24-26-08
	eClass	9.1	27-24-26-08
	eClass	9	27-24-26-08
	eClass	8	27-24-26-08

eClass	7.1	27-24-26-08
eClass	6	27-24-26-08
ETIM	10	EC001604
ETIM	9	EC001604
ETIM	8	EC001604
ETIM	7	EC001604
IDEA	4	3564
UNSPSC	15	32-15-17-05

Approvals / Certificates

General Product Approval



[Miscellaneous](#)



[Manufacturer Declaration](#)

[China RoHS](#)

General Product Approval

EMV

For use in hazardous locations



[EM](#)



For use in hazardous locations

Maritime application

[Miscellaneous](#)



[CCC-Ex](#)



Maritime application



last modified:

4/7/2025