

SIEMENS SIMATIC S7

Product Data Sheet

6ES7972-0AA02-0XA0

PROFIBUS RS485 repeater

FUNCTION PROFIBUS RS485 repeater	FAMILY Siemens Simatic S7	ORIGIN Germany	WEIGHT 0.35 kg
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Siemens Simatic S7 6ES7972-0AA02-0XA0 is a PROFIBUS RS485 repeater for the Siemens Simatic S7. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Device Type	RS485 repeater
Networks	PROFIBUS and MPI
Maximum Nodes	31
Maximum Baud Rate	12 Mbit/s
Supply Voltage	24 V DC
Supply Range	20.4 to 28.8 V DC
Power Loss	0.7 W
Bus Connections	2 terminal blocks
Protection Degree	IP20
Operating Temperature	0 to 60 °C

- Press lines and robotic welding cells: Remote Station Systems
- Mill drives and furnace auxiliaries: Energy Management Systems
- Paper machine wet-end systems: Drive Coordination Systems

Match 6ES7972-0AA02-0XA0 to the installed Siemens Simatic S7, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

[Siemens official manufacturer documentation](#)

Local official manufacturer PDF: 6ES7972-0AA02-0XA0.pdf