

SIMATIC PROFIBUS DIAGNOSTIC REPEATER

Product Data Sheet

6ES7972-0AB01-0XA0

PROFIBUS network diagnostic repeater

RATED SUPPLY	PROFIBUS DATA-RATE RANGE	PROTECTION DEGREE	OPERATING TEMPERATURE
24 V DC, 20.4 to 28.8 V	9.6 kbit/s to 12 Mbit/s	IP20	0 to +60 deg C

Siemens 6ES7972-0AB01-0XA0 is a diagnostic repeater for SIMATIC PROFIBUS networks. It supports documented network-segment diagnostics and electrical signal regeneration in configured distributed automation.

01

VERIFIED TECHNICAL DATA

Rated supply	24 V DC, 20.4 to 28.8 V
PROFIBUS data-rate range	9.6 kbit/s to 12 Mbit/s
Protection degree	IP20
Operating temperature	0 to +60 deg C
Storage temperature	-40 to +70 deg C
Relative humidity	95% at 25 deg C, non-condensing
Supply connection	Terminal block
Bus termination connection	FastConnect IDC
Connection reuse	10 clamping cycles

ADDITIONAL PRODUCT DATA

Naked product size	8 x 12.5 x 6.75 cm
Naked product weight	0.30kg

DOCUMENTED USE SETTINGS

Manufacturing Production and Industrial Process Coordination: Industrial Component Manufacturing.

Industrial Chemical Production and Process Manufacturing: Chemical Production Process Automation.

Water Treatment and Industrial Wastewater Processing: Municipal Drinking Water Treatment.

SYSTEM COMPATIBILITY

Siemens 6ES7972-0AB01-0XA0 is a diagnostic repeater for SIMATIC PROFIBUS networks. It supports documented network-segment diagnostics and electrical signal regeneration in configured distributed automation.

PRODUCT EVIDENCE

Siemens SIMATIC PROFIBUS diagnostic repeater technical documentation