CENTUM VP

Product Data Sheet

ANT512-10 S1

Optical ESB Bus Repeater Slave Module

REPEATER ROLE	MAXIMUM TRANSMISSION DISTANCE	OPTICAL CONNECTOR	OPTICAL FIBER TYPE
Slave	**5 to 50 km**	**LC, IEC 61754-20**	**Quartz single-mode**

The Yokogawa ANT512-10 S1 is an Optical ESB Bus Repeater Slave Module for CENTUM VP. It carries the ESB bus over optical fiber and is paired with the ANT411 repeater in the documented architecture.

01 TECHNICAL DATA

Repeater role	Slave
Maximum transmission distance	5 to 50 km
Optical connector	LC, IEC 61754-20
Optical fiber type	Quartz single-mode
Required fiber cores	2
Permissible optical loss	3 to 16 dB at 1.55 µm
Current consumption	0.5 A
Documented companion repeater	ANT411
Connection topology	Chain or star

02 ADDITIONAL PRODUCT DATA

The link uses two optical fibers and LC connectors. Yokogawa specifies 5 to 50 km with the applicable fiber and optical loss budget of 3 to 16 dB at 1.55 µm. The module draws 0.5 A and supports chain or star layouts within the documented host limits. The manufacturer drawings show several connector configurations for the -10 model, so the installed connector option must be identified separately.

03 PRODUCT FUNCTION

The link uses two optical fibers and LC connectors. Yokogawa specifies 5 to 50 km with the applicable fiber and optical loss budget of 3 to 16 dB at 1.55 µm. The module draws 0.5 A and supports chain or star layouts within the documented host limits. The manufacturer drawings show several connector configurations for the -10 model, so the installed connector option must be identified separately.

04 SYSTEM COMPATIBILITY

Match the ANT411 counterpart and verify the fiber route against the approved ESB design. Check the optical loss budget for the installed path.

05 REFERENCE

Yokogawa GS 33K50F52-50E

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