CENTUM VP

Product Data Sheet

ANT411-50 S1

Optical ESB bus repeater

OPTICAL REACH	OPTICAL WAVELENGTH	PERMISSIBLE OPTICAL LOSS	OPTICAL CONNECTOR
5 to 50 km	**1550 nm**	**3 to 16 dB**	**LC (IEC 61754-20)**

Yokogawa ANT411-50 S1 is an optical ESB bus repeater master for CENTUM field control units in the AFV30 and AFV40 families. Pair the master with an ANT512 slave module to extend the ESB bus over quartz single mode fibre.

01 TECHNICAL DATA

Optical reach	5 to 50 km
Optical wavelength	1550 nm
Permissible optical loss	3 to 16 dB
Optical connector	LC (IEC 61754-20)
Fibre type	Quartz single mode
Fibre cores	2
Current consumption	0.5 A
Chain depth	2 stages maximum
Paired links	8 maximum
Topology	Chain or star

02 ADDITIONAL PRODUCT DATA

Matching slave module	ANT512
Host field control units	AFV30 or AFV40

03 PRODUCT FUNCTION

The LC optical interface uses two fibre cores at 1550 nm. The specified transmission distance is 5 to 50 km, with permissible optical loss of 3 to 16 dB. The master supports star or chain layouts with up to eight paired links.

04 SYSTEM COMPATIBILITY

Pair the master with an ANT512 slave. Use two cores of single mode quartz fibre with LC connectors and check the end to end optical loss against the 3 to 16 dB limit at 1550 nm.

05 REFERENCE

Yokogawa GS 33K50F52-50E

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