

WISI LR 43 AS

Redundant optical node, local feed



Description

At a glance:

- Redundant configurable Node with three active outputs
- Level and Slope adjustment separately for each output
- Pluggable optical transmitter and receiver modules
- All settings with handset OH 41 or NMS with HMS-transponder
- Electronic RP configuration for redundancy and cluster splitting
- One ICS-switch for every input
- Electronic upstream configuration
- Integrated fiber management
- Automated level setting control (ALC) via optical input power or pilot controlled VX 58

Technical data

Downstream	
Optical input level for controlled output level	-5...+3 dBm
Wave length	1290...1600 nm
Frequency range downstream	47...1006 MHz Depending on diplexers
Outputs	
Output level 1	102 dB μ V (CENELEC 42 channels, 6 dB slope, at CSO/CTB >60 dB)
Output level 2	114 dB μ V (CENELEC 42 channels, 6 dB slope, at CSO/CTB >60 dB)
Output level 3	114 dB μ V (CENELEC 42 channels, 6 dB slope, at CSO/CTB >60 dB)
attenuator downstream	0 ... 25 dB (0,1 dB-steps)
equaliser downstream	0 ... 15 dB (0,1 dB-steps)
Frequency response (O-E) 47...862 MHz	$\leq \pm 0,75$ dB
Frequency response (O-E) 862...1006 MHz	$\leq \pm 1,00$ dB
Noise current density	< 5 pA/ $\sqrt{\text{Hz}}$
Output test point	-20 dB
Upstream	
	(with upstream transmitter module LT 4x)
Optical output power	+3 dBm (depending on the upstream transmitter module)
Wavelength upstream	1310 ... 1610 nm (depending on the upstream transmitter module)
Frequency range upstream	10 ... 85 MHz Depending on diplexers
Frequency response upstream	$\pm 0,5$ dB
Nominal input level	75 dB μ V
OMI setting range	3 ... 10 %
Return channel test point Input	-20 dB μ V ($\pm 0,5$)
Ingress Control Switch (ICS)	0 / 8 / > 45 dB
Connectors	
PG11	4 pcs.
Return loss	> 20 dB
SC/APC connectors	1 pcs. (Downstream input. Optional: Redundancy input, upstream outputs via LT 4x)
Optical return loss	> 40 dB
General data	
Operating voltage AC	230 V
Power consumption	< 45 W (typ. incl. US-transmitter module), 53 W (max.)
Remote power	< 8 A
Electro Magnetic Compatibility (EMC)	EN 50083-2
Dimensions (width x height x depth)	288 x 125 x 302 mm
Operating temperature range	-20 ... +55 °C
Protection class	IP66
Lightning protection	2(6) kV

Packaging data

Sales unit	1 pcs.
Dimensions (WxHxD) sales unit	350 x 320 x 140 mm
Packaging volume sales unit	dm ³
Gross weight sales unit	6.500 kg
Shipping unit	1 pcs.
Dimensions (WxHxD) shipping unit	mm
Packaging volume shipping package	dm ³
Gross weight shipping unit	kg
EAN	4010056704865
Article number	70486
Customs tariff number	85176100