

LINE EXTENDER-/ DISTRIBUTION-AMPLIFIER LHD (R) GN PREMIUM-LINE

- || 1.2 GHz DS-bandwidth, modular return path up to 204 MHz
- || **Gallium Nitride technology (GaN)**
- || Prepared for network monitoring FOSTRA-F
- || Interruption-free electronic adjustment, basic settings without additional accessories
- || 7-Segment display, simply to adjust by keypad
- || DOCSIS 3.1 compliant
- || AGC / ALSC module available
- || With **FOSTRA-F**: IDS 0 / 6 / 45 dB switchable at the return
- || 2 outputs, IN/OUT connectors in vertical or horizontal position
- || 10 A remote current feed through, immunity to surge voltages 6kV
- || Compact alu die-cast housing acc. IP 67, strand mountable
- || Return path can be switched off



|| FOSTRA-F FSK-RX

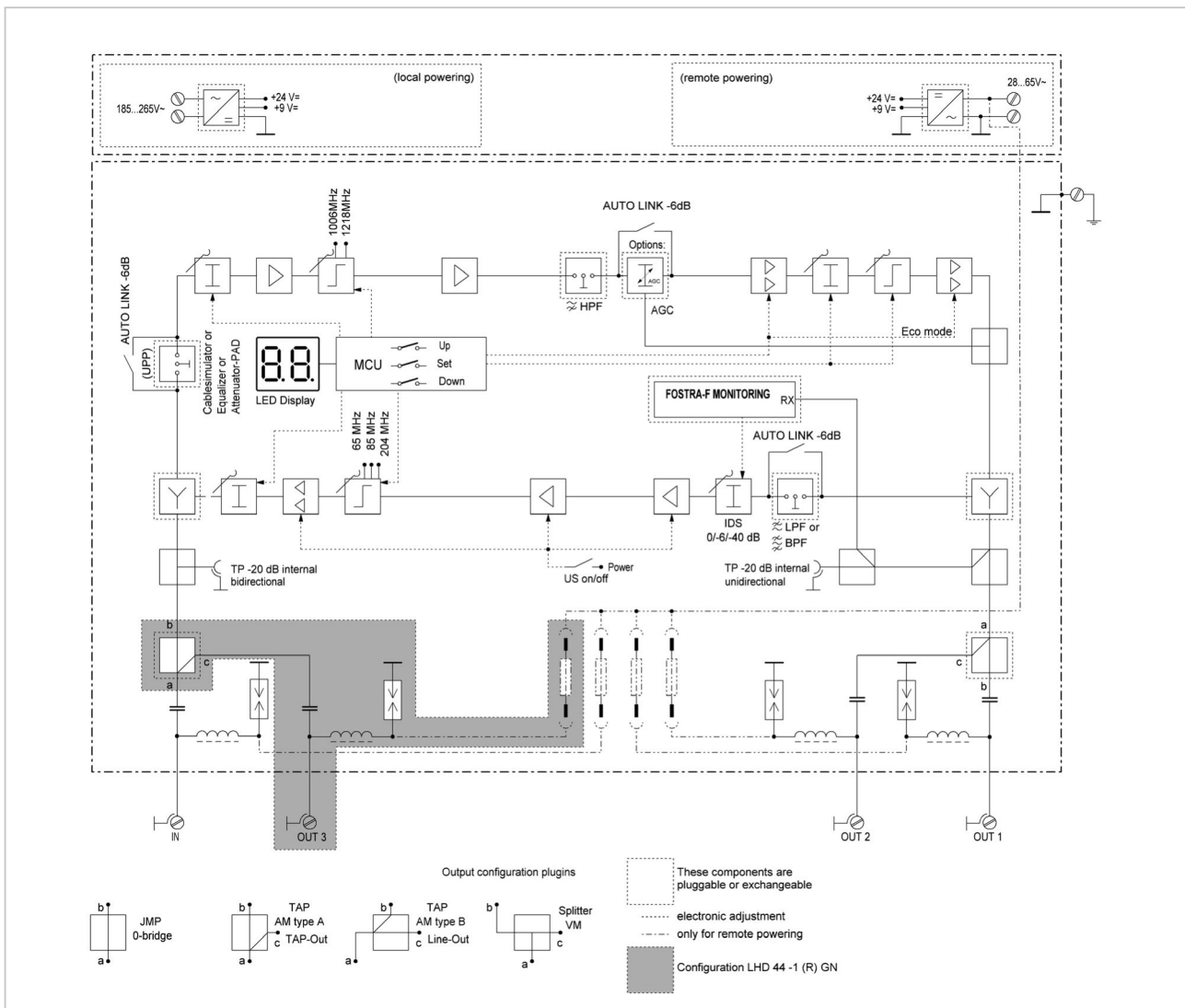


Type	LHD 44 GN	LHD 44 R GN
Item No.	57002972 - LHD 44 GN (local power) 57002977 - LHD 44-1 GN (Line-OUT)	57002974 - LHD 44 R GN (remote power) 57002979 - LHD 44-1 R GN (rem., Line-OUT)
Final stage	1 x Power Doubler GaN	
Frequency range	MHz 40 - 1218 (return path ampl. 204 MHz on board, diplexer modular)	
Gain	dB 44	
Linearity	dB ± 0.5	
Slope	dB 0 ... 25, 1 dB step adjustment, electrical	
0-point loss	dB ± 0.5 at 1218 MHz, switchable to 1006 MHz	
Interstage slope	dB 0...15, electrical adjustment	
Attenuation	dB 0 ... 20, 1 dB step adjustment, electrical	
Interstage attn., slot UPP1	dB for JXP-PAD's	
Cablesimulation	dB for JXP-PAD's	
Testpoint input	dB -20 ± 1.5 dB, F-connector, internal	
Testpoint output	dB -20 ± 0.75 dB, F-connector, internal	
Return loss In / Out	dB 20dB @ 40MHz -1.5 dB/Octave	
Noise	dB typ. 7	
Output level CENELEC*1	dBμV 116,	
Output level digital*2	dBμV 110	
Frequency range	MHz 5-65 / 85 / 204 (configuration with modular diplexer)	
Gain	dB 28	
Linearity	dB ± 0.5	
Slope (Output)	dB 0 ... 16, 1 dB step adjustment, electrical	
Attenuator (Output)	dB 0 ... 30, 1 dB step adjustment, electrical	
Input slot UPP2	dB for additional low pass filter LPF x-xx or JXP-PAD's	
Ingress detection switch	dB 0 / 6 / 45, switchable with FOSTRA	
Slope frequency point	dB 85 / 204 switchable by Jumper	
Noise	dB 6.5	
BER @ 107 dBμV with 24 carrier QAM 256	< 1.0E-09	
Power supply	V~ 200 - 240 V local power	28 - 65 V remote power - 10 A feed through
Power consumption	W 24.0 with active return path	
Connector	PG11 (connectors excluded)	
Dimensions / Weight	mm / kg 225 x 195 x 95 / 1.8	

*1 CENELEC : CTB, CSO > 60 dB, flat

*2 Digital: EN 60728-3, 119 CH, 262-1214MHz, flat

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pre-configured available:

Item No.	Type	Description
57003162	LHD 44 R GN 65	Line amplifier remote powered, gallium nitride, 1.2GHz, 44dB, US 65 / 85 MHz
57003163	LHD 44 R GN 85	Line amplifier remote powered, gallium nitride, 1.2GHz, 44dB, US 85 / 105 MHz
57003951	LHD 44-1 R GN 85	Line amplifier remote powered, gallium nitride, 1.2GHz, 44dB, US 85 / 105 MHz, loop