

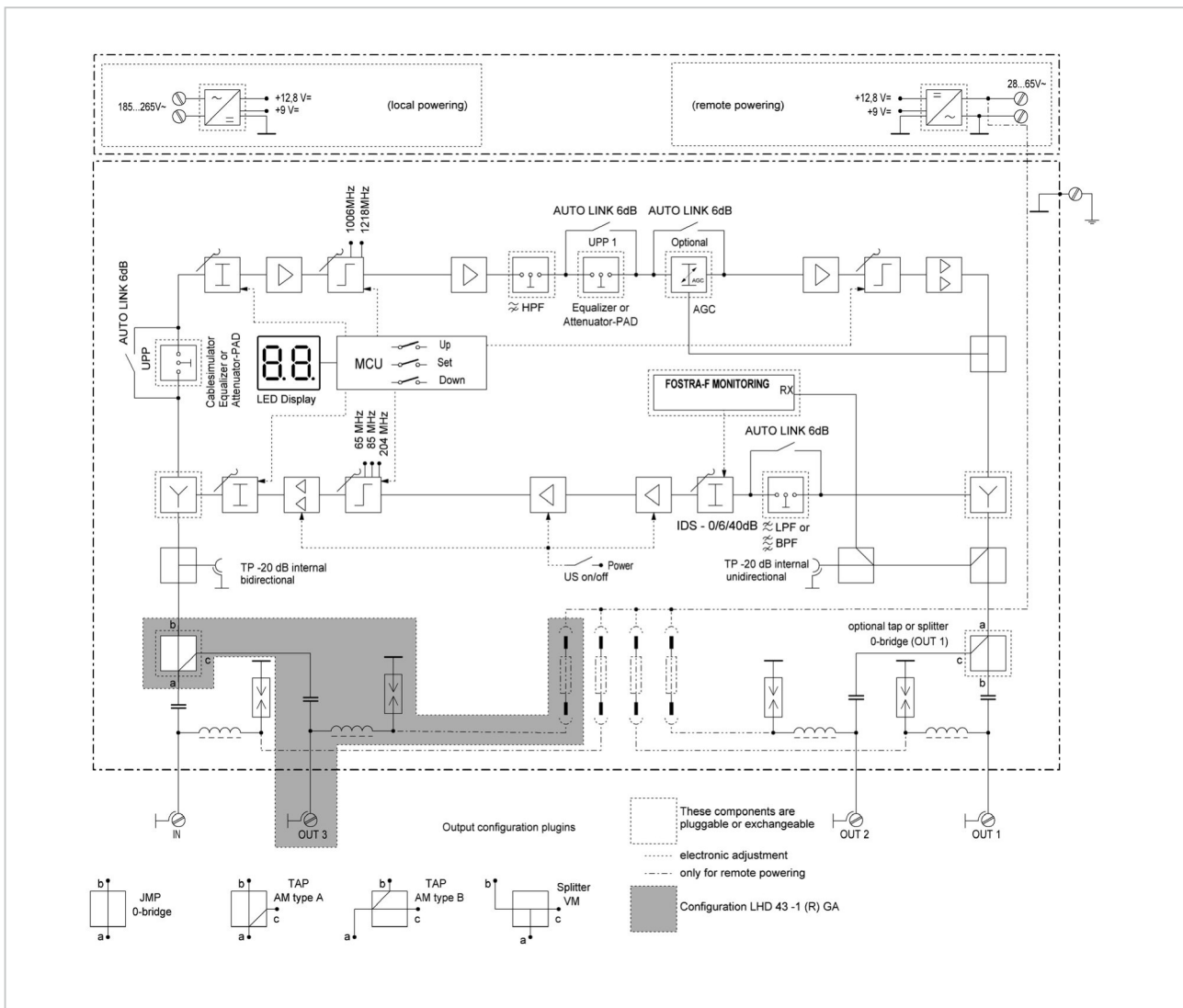
LINE EXTENDER-/ DISTRIBUTION-AMPLIFIER LHD (R) GA CLASSIC-LINE

Type		LHD 32-1 R GA	
Item No.		57003761 - LHD 32-1 R GA (remote power)	
Final stage		1 x Power Doubler GaAs-FET	
Downstream	Frequency range	MHz	40 - 1218 (return path ampl. 204 MHz on board, diplexer modular)
	Gain	dB	32
	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	114
Output level digital*2	dBμV	107	
Upstream	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 FOISTRA
	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~	28 - 65 V remote power - 10 A feed through	
Power consumption	W	17.0 with active return path	
Connector		PG 11	
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
57002961	LHD 43 R GA 65	Line amplifier remote powered, gallium arsenide, 1,2GHz, 43dB, US 65/85 MHz
57002962	LHD 43 R GA 85	Line amplifier remote powered, gallium arsenide, 1,2GHz, 43dB, US 85/105 MHz
57003558	LHD 43-1 R GA 65	Line amplifier remote powered, gallium arsenide, 1,2GHz, 43dB, US 65/85 MHz, loop
57003761	LHD 32-1-R GA 85	Line amplifier remote powered, gallium arsenide, 1,2GHz, 32dB, US 85/105 MHz, loop