

LINE EXTENDER-/ DISTRIBUTION-AMPLIFIER LHD

- Prepared for network management system
- 1 GHz Bandwidth, modular return path by diplexer
- Interrupt free electronic adjustment, get it operable without additional accessories
- 7-segment display, simply to adjust by keypad
- AGC module available
- 2 outputs, IN / OUT connectors in vertical or horizontal position
- Compact alu die-cast housing acc. IP 65, strand mountable
- With **FOSTRA-F**: IDS 0 / 6 / 45 dB switchable at the return



■ **FOSTRA-F** FSK-RX

Type		LHD 41	LHD 41 R
Item No.		57002097 LHD 41 (local power)	57002098 LHD 41 R (remote power)
Downstream	Frequency range	MHz	5-1006 (modular diplexer)
	Gain	dB	40, to 30 dB $\pm$ 1 switchable
	Linearity	dB	$\pm$ 0.5
	Slope	dB	0 ... 25, 1 dB step adjustment, electronic
	0-point loss	dB	$\pm$ 0.5, at 1 GHz at 862 MHz switchable
	Interstage slope	dB	0...15, electronic adjustment
	Attenuation	dB	0 ... 20, 1 dB step adjustment, electronic
	Interstage attn., slot UPP1	dB	for JXP-PAD's usable
	Cablesimulation	dB	0 / 5 / 10 by jumper switchable
	Testpoint input	dB	-20 $\pm$ 1.5 dB, F-connector, internal
	Testpoint output	dB	-20 $\pm$ 0.75 dB, F-connector, internal
	Return loss In / Out	dB	18dB @ 40MHz -1.5 dB/Octave
	Noise	dB	typ. 6.5
	Output level CENELEC*1	dB μ V	111/113
	Output level digital*2	dB μ V	105
Upstream	Frequency range	MHz	5-85 (configuration with modular diplexer)
	Gain passive / active	dB	-4.5 / 26
	Linearity	dB	$\pm$ 0.5
	Slope (Output)	dB	0 ... 10, 1 dB step adjustment, electronic
	Attenuator (Output)	dB	0 ... 20, 1 dB step adjustment, electronic
	Input slot UPP2	dB	for additional low pass filter LPF 5-85 or JXP-PAD's
	Ingress Detection Switch	dB	0 / 6 / 45, switchable by FOSTRA
	Slope frequency point	dB	65 / 85 switchable by jumper
	Noise	dB	6.5
	Output-BER at 120 dB μ V full load 6 carrier 16 QAM	BER	1*10 ⁻⁶ (acc. KDG 1TS140)
Power supply		V~	200 - 240 V local power 28 - 65 V remote power / 10 A feed through
Power consumption		W	16.3 active return path
Dimensions / Weight		mm / kg	225 x 180 x 95 / 1.8
Connector			PG 11 thread (connectors excluded)

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

*2 Digital: EN 60728-3,112 CH, 114-1006 MHz, flat

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