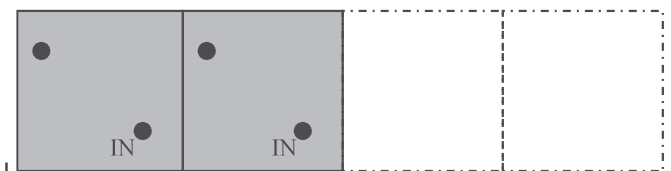


## STAR COMBINER

120 UHF single cavity

Combiners allow several radio channels to operate at one site using a common antenna. The MCPS 120 U/2 star combiner is composed by 120 mm cavities and a star connection which combines two channels in the UHF range.

The input and output loops can be adjusted for the optimum combination of selectivity and insertion loss.



### Electrical Specifications

Frequency band:	225 – 400 MHz
Impedance:	50 $\Omega$
Max Power	100W CW
Insertion loss:	Adjustable 1 ÷ 3 dB

### Mechanical Specifications

Connector Type:	N Female
Dimensions:	19" rack, 3/6 HU
Operating temp.:	-10°C to +55°C
Tuning method:	Rotary knob, telescopic movement

Combiner	Channels	Cabinet 3HU	Total height HU	Attenuation
MCPS120-U/2	2	1	3 - depth 560 mm	$\geq 13$ dB $\pm 0.4\%$ at 312 MHz

Combiner	Channels	Cabinet 6HU	Total height HU	Attenuation
MCPS120-U/4	4	$\frac{1}{2}$	6 - depth 685 mm	$\geq 16$ dB at $\pm 1\%$ from $f_0$

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