

powersplitter - ps3b-10 A - fixed

Product information

With the DKT PS3B-10 A we have focused on designing the most compact and flexible 2-way splitter/directional coupler on the market, which suits applications in Europe using street cabinets and underground cables. The compact size makes installation possible in even small street cabinets.

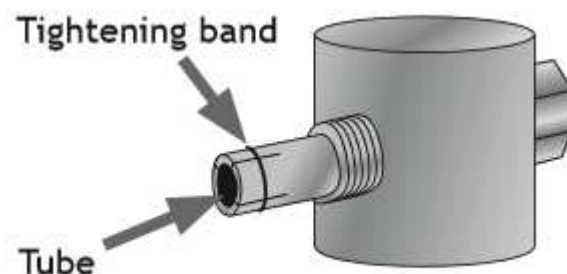
The electrical performance in accordance with CENELEC's highest standards, just as with other DKT products.

PS3B-10 A - fixed is produced according to the specifications in the following table.

Built in quality assurance of each installation

All Power Splitter models have a springload terminal mounted on the PCB, meaning that a fixed unit does not need to have its lid open when being installed. Furthermore, the spring load terminals always allow consistent high quality installation, and this even faster than before. Also, with springloaded terminals there are fewer sources for errors, making installation training even easier.

The springload terminal is constructed as a tube for reception of the 1.7 mm diameter PG11 conductor pin, with a tightening band ensuring optimal connection at any time, even after insertion of many conductors.



See page 26 for block diagrams

Type	Frequency range	PS3B-10 A - 02	PS3B-10 A - 1-7	PS3B-10 A - 1-11	PS3B-10 A - 1-16
Item no.		40601	40602	40603	40604
Description		2-way splitter	1-way tap 7 dB	1-way tap 11 dB	1-way tap 16 dB
Insertion loss (IN-OUT) (dB)	5 - 1006 MHz	4.3 ± 1.0	3.1 ± 1.0	2.4 ± 1.0	1.6 ± 1.0
Tap loss (IN-TAP) (dB)	5 - 1006 MHz	-	7.8 ± 1.3	11.0 ± 1.0	15.4 ± 1.0
Isolation (OUT-OUT) (dB)	5 - 10 MHz	≥ 20	≥ 20	≥ 23	≥ 28
	10 - 470 MHz	≥ 25	≥ 25	≥ 26	≥ 26
	470 - 862 MHz	≥ 23	≥ 20	≥ 25	≥ 26
	862 - 1006 MHz	≥ 20	≥ 18	≥ 22	≥ 23
Return loss (dB)	5 - 10 MHz			≥ 16	
	10 - 1006 MHz			Grade 2 ¹	
Connectors			PG11 thread - optional 5/8"		
Power pass			Max. 10 A		
Hum modulation (64 V, 6 A)			< - 70 dB		
Screening effectiveness			Class A ²		
Dimensions (mm)			150 x 90 x 55		
Weight (Kg)			0.5		