



Clever in details!
PRODUCT INFORMATION
**Sat/CATV combination socket
Triple outlet**
**Single socket
EDA 302 F**
**Order No.
940 109-001**
**Pass-through socket
GDA 313 F**
**Order No.
940 110-001**
Description
The Sat/CATV combination socket is part of the new Antenna Outlet Socket Generation from Hirschmann:

- ▶ intelligent push-lock terminal 
- ▶ quick and easy mounting
- ▶ excellent electrical parameters
- ▶ absolutely reliable and durable - "Made in Germany"

Special features of the SAT/CATV sockets EDA/GDA:

- ▶ universal antenna socket with two continuous frequency ranges for TV/RF and Sat, therefore flexible and future-proof
- ▶ for satellite and CATV distribution networks
- ▶ combined distribution-filter socket with selectively decoupled TV/RF outlets.
- ▶ prepared for return channel
- ▶ remote feeding at TV outlet
- ▶ according to RoHS, EN 50083-2 (class A), EN 50083-4 (methods of measurement)
- ▶ **EDA 302 F:**
Single socket for decoupled branch lines from the multi-switch/LNB or from the floor tap off
- ▶ **GDA 313 F:**
Pass-through socket for one cable solutions and tree networks

Antennas

Signal Processing

Amplifiers

Multiswitches

Passive Components

Receivers

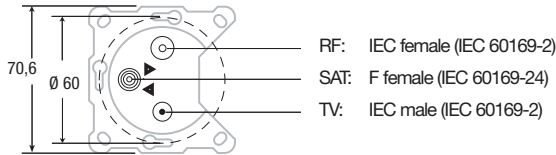
catTV

Plugs, Cables, Measuring Equipment

Technical Data

Mechanics

Outlets:



Screening effectiveness	dB	class A (> 85 dB, EN 50083-2)
Weight	g	90
Package	mm	229 x 142 x 75 (BxHxT)

Connected load

DC via Through pass	max 24 V/500 mA (only GDA 313 F)
DC via SAT	max 24 V/500 mA (GDA decoupled with diode)

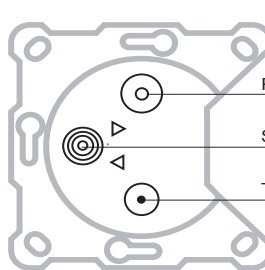
Connection impedance	Ω	75
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Operating conditions

Temperature	°C	-25...+55, local fixed, weather protected (ETSI 300 019-1-3)
Reliability MTBF	h	>1.000.000 (Belcore @ 25° C)

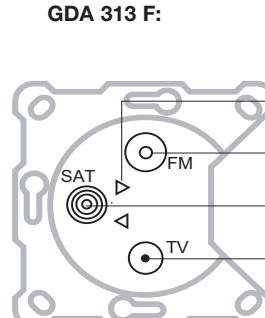
Attenuation

EDA 302 F:



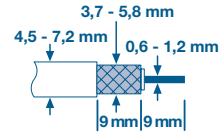
	DC	f (MHz)										2150		2400	
		5	47	87,5	108	118	139	470	862	950					
		RK	BI	FM			VHF	UHF			SAT				
RF	█	6,5		6,5					20		30		25		
SAT	█	40		35		35		15		2,0		3,0			
TV	█	2,5		2,5				2,5		20		15			
Isolation															
RF - SAT		40		40				35		30		25			
TV - SAT		35		30				20		20		15			
TV - RF		15		20				20		20		15			
Return Loss															
IN		10(>8)		10(>8)				10(>6)		10(>8)		10(>8)			
RF		10(>8)		10(>8)											
TV / SAT		12(>10)		12(>10)				10(>8)				10(>6)			

GDA 313 F:

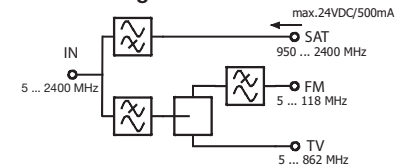


	DC	f (MHz)										2150		2400	
		5	47	87,5	108	118	139	470	862	950					
		RK	BI	FM			VHF	UHF			SAT				
IN-OUT	█	1,0		1,0					1,4		1,8		2,8		
RF	█	16,5		17				26		24		20			
SAT	█	55		50		35		35		12		13,5			
TV	█	12,5		12,5				12,5		24		18			
Isolation															
Out-TV/FM/SAT		25		35				28		18		15			
RF - SAT		40		40						30		25			
TV - SAT		35		30				20		20		15			
TV - RF		15		20				25							
Return Loss															
IN		16(>14)		16(>14)				14(>12)		12(>10)		10(>8)			
OUT		18(>16)		18(>16)				16(>14)		14(>10)		10(>8)			
RF		10(>8)		10(>8)											
TV / SAT		12(>10)		12(>10)		12(>10)		10(>8)		10(>8)		8(>6)			

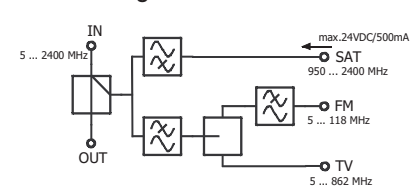
Recommended cable dimensions:



Schematic diagram EDA 302 F:



Schematic diagram GDA 313 F:



Overview of all sockets:

	Universal		Sat			CATV/MATV		
	Super wide-band	Sat/CATV combi	Sat filter	Twin Sat	Sat filter	CATV modem	CATV filter	MATV filter
Single	EDU 04 F	EDA 302 F	EDS 01 F	EDS 322 F	FS 302 F	EDM 304	EDC 01 NL	
Pass-through	GEDU 10 GEDU 15 GEDU 20	GDA 313 F	GDS 08 F GDS 11 F			GDM 310 GDM 315		FS 07 FS 12