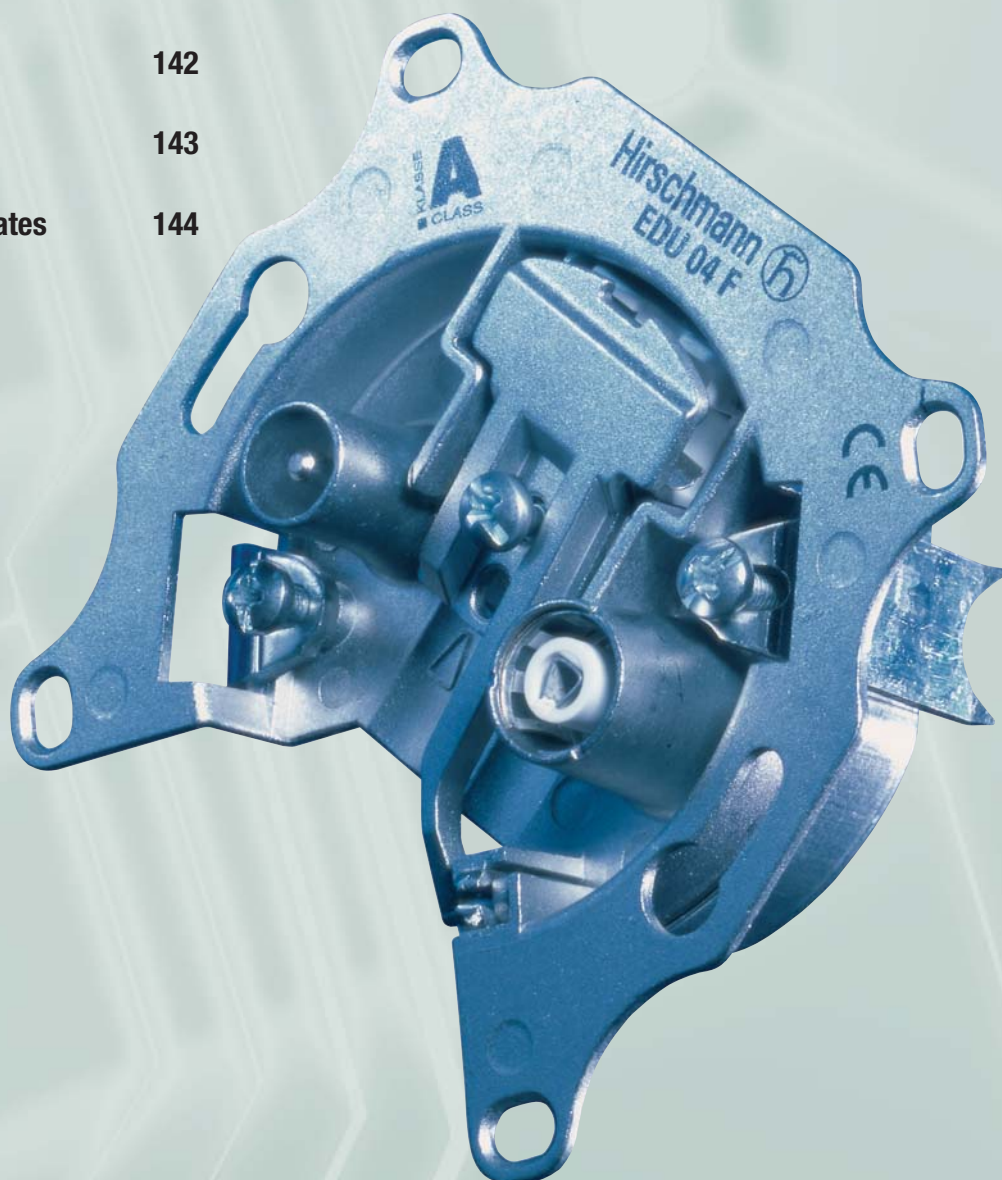


Antenna Outlet Sockets

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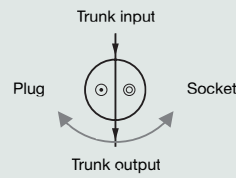


Introduction

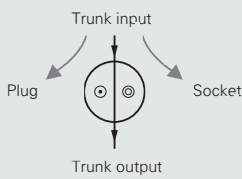
Attenuation



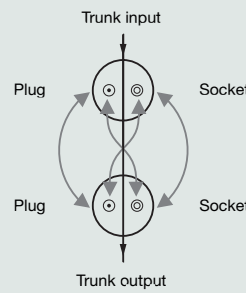
Throughpass attenuation
Attenuation between trunk input and trunk output



Internal coupling attenuation
Attenuation between plug output and socket output



Connection attenuation
Attenuation between trunk input and plug or socket output



EN coupling attenuation (2 outlet method)
Attenuation between the outputs of two antenna sockets

Socket types

Double antenna outlet sockets

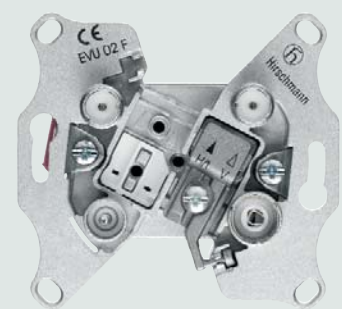
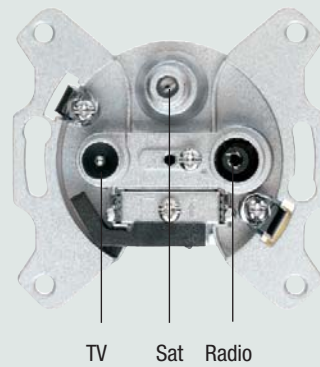
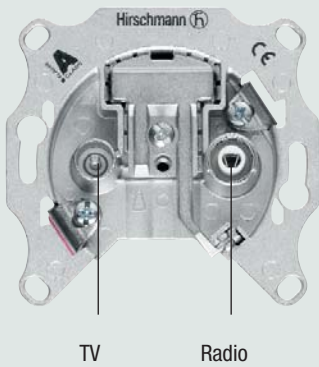
Universal sockets, suitable for satellite, terrestrial and broadband cable/CATV

Triple antenna outlet sockets

For individual satellite and SMATV installations.

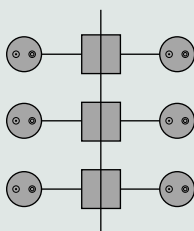
Quadruple antenna outlet sockets

For use in multiswitch installations (star or tree structure)

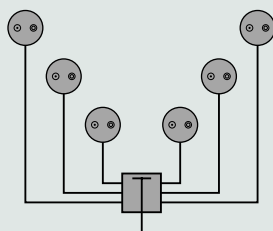


Network structures

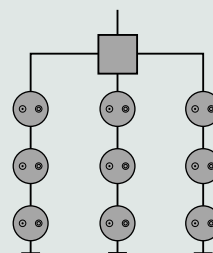
Floor star



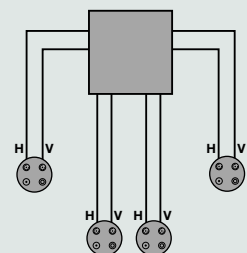
Star network






Tree network






Tree and star network





Overview

Standard range	Characteristics	RP	VHF I	FM	VHF/UHF	Sat
Super broadband Universal for all applications Future-oriented  EDU 04 F EDU 10/15/20	Universality, "4 sockets for all applications" assignment of the outputs EDU 04 F remote feed via TV plug					
Spec. satellite sockets Indiv. sat. and SMATV inst. with 1st sat. IF distribution  EDA 3902 F GEDA 3913	Single cable connection with selec. distribution					
 EVU 02 F	Two separate connections with selective distribution remote feed via both sat. outputs					

Special types

Specially configured subscriber connections for CATV networks  FS 1 D FS 7 D FS 12 D	Minimum attenuation for optimized star distribution Selective CATV filter sockets					
 FS 1 BNL	Selective CATV filter socket with galvanic isolation of the inner conductor					
 ED 01 S GD 08 S GD 11 S	Selective CATV / satellite sockets - remote feed via satellite socket					

Double antenna outlet sockets

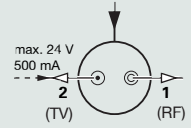
- Super broadband technology: future-proof up to 2400 MHz
- Universal socket suitable for connecting a radio, TV set or satellite receiver
- Suitable for satellite, terrestrial and broadband cable, CATV
- Can be used for all international standards:
B/G, D/K, I, L, M, CCIR/OIRT, PAL/SECAM/NTSC/digital TV
- Continuous cross over area at both outputs, i.e. any assignment with both return path and forward path possible
- Easy installation and connection technology
- Socket and plug to IEC 60169-2
- Can be installed in 55 flush mounting box (58 mm Ø) or in surface box
- Please order termination resistor, frame, and cover plate separately
- Suitable for coax cable
Inner conductor up to 1.4 mm Ø
Outer conductor up to 5.5 mm Ø
- Quantity boxed: 10 pieces
- Meets EN 50083-1, -2
-  

2-outlet super broadband

Individual socket

Type	EDU 04 F
------	----------

Order No. 947 527-001

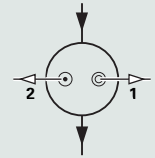


For use in individual and MATV installations on decoupled tap-off lines
Transmits remote feed voltage

Throughpass socket

Type	GEDU 10
------	---------

Order No. 947 529-001

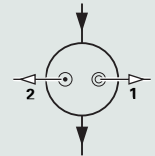


For use in MATV installations preferably at the end of a trunk line with many outlet sockets

Throughpass socket

Type	GEDU 15
------	---------

Order No. 947 528-001

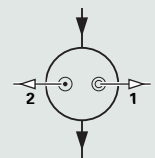


For use in MATV installations

Throughpass socket

Type	GEDU 20
------	---------

Order No. 947 530-001



For use in MATV installations preferably at the begin of a trunk line with a large number of outlet sockets

RC VHF I FM LSC-VHFIII UHF IV/V Sat IF
ESC

Frequency range	MHz	5-40	47-68	87.5-108	125-470	470-862	950-2050	2050-2400
-----------------	-----	------	-------	----------	---------	---------	----------	-----------

Connection attenuation								
1 (RF), socket	dB	4.0	4.0	4.0	4.0	4.0	4.7	5.5
2 (TV), plug	dB	4.0	4.0	4.0	4.0	4.0	4.7	5.5
Internal coupling attenuation	dB	14	20	20	20	20	20	20
Remote feed voltage/current	max. 24 V= /500 mA via TV output							

Frequency range	MHz	5-40	47-68	87.5-108	125-470	470-862	950-2050	2050-2400
-----------------	-----	------	-------	----------	---------	---------	----------	-----------

Throughpass attenuation	dB	2.8	2.2	2.2	2.2	2.4	3.2	4.2
Connection attenuation								
1 (RF), socket	dB	11.5	10.0	10.0	10.0	10.0	10.0	11.5
2 (TV), plug	dB	11.5	10.0	10.0	10.0	10.0	10.0	11.5
Coupling attenuation								
RF/TV int.	dB	40	42	42	42	38	32	30
TV/TV	dB	40	50	50	50	46	32	32
Direction. attenuation TV/RF	dB	35	40	40	40	36	22	20

Frequency range	MHz	5-40	47-68	87.5-108	125-470	470-862	950-2050	2050-2400
-----------------	-----	------	-------	----------	---------	---------	----------	-----------

Throughpass attenuation	dB	1.0	0.8	0.8	0.8	0.8	1.4	1.8
Connection attenuation								
1 (RF), socket	dB	14.5	14.5	14.5	14.5	14.5	15.0	15.5
2 (TV), plug	dB	14.5	14.5	14.5	14.5	14.5	15.0	15.5
Coupling attenuation								
RF/TV int.	dB	18	24	24	24	24	24	24
TV/TV	dB	44	54	54	54	54	44	42
Direction. attenuation TV/RF	dB	30	40	40	40	40	30	26


Frequency range	MHz	5-40	47-68	87.5-108	125-470	470-862	950-2050	2050-2400
-----------------	-----	------	-------	----------	---------	---------	----------	-----------

Throughpass attenuation	dB	0.8	0.6	0.6	0.6	0.8	1.1	1.4
Connection attenuation								
1 (RF), socket	dB	20	20	20	20	20	20	21
2 (TV), plug	dB	20	20	20	20	20	20	20
Coupling attenuation								
RF/TV int.	dB	18	24	24	24	24	24	24
TV/TV	dB	60	64	64	64	60	50	50
Direction. attenuation TV/RF	dB	40	44	44	44	40	30	30

Antenna sockets


Triple antenna outlet sockets

EDA 3902 F, GEDA 3913

- Suitable for satellite and terrestrial
- For satellite distribution in a tree structure
- For connecting a radio, TV and satellite receiver
- Outputs: socket for RF, plug for TV both to IEC 60169-2, F-socket for satellite
- Connecting system for inner conductor 0.8-1.3 mm Ø outer conductor up to 5.5 mm Ø
- Can be installed in 55 flush mounting box (58 mm Ø) or in surface box AR 30
- cover plate 76 x 76 mm included (standard spacing)
- Suitable for the majority of multi-switch ranges
- Surface box AR 30
Please order separately
- Single packaging
- Meets EN 50083-1, -2
- 

Quadruple Antenna Outlet Sockets

EVU 02 F:

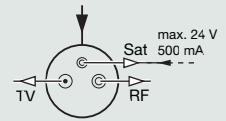
- For connecting a radio, TV and two independent connections for satellite receivers
- Two independent satellite receivers can be operated in conjunction with an external multiswitch
- Can be installed in 55 flush mountingbox (58 mm Ø) or in surface box
- 76 x 76 mm cover plate included
- Please order surface box AR 20 separately
- Clamp connection:
inner conductor: 0.4 - 1.4 mm Ø
outer conductor: 2.7 - 4.5 mm Ø
- For connecting mini coaxial cable or KOKA 780 TWIN-Sat cable
- Quantity boxed: 10 pieces
- Meets EN 50083-1, -2
- 

Standard range, satellite sockets

Individual socket

Type	EDA 3902 F
------	------------

Order No. 947 499-201

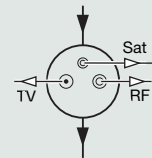


For use in individual and MATV installations on decoupled tap-off lines. Transmits remote feed voltage via satellite outlet

Throughpass socket

Type	GEDA 3913
------	-----------

Order No. 947 521-001

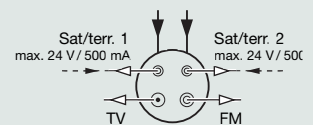
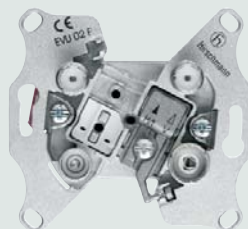


For use in MATV installations (single cable solution). Electrically isolated, i.e. no remote feeding possible via outlets.

Individual socket

Type	EVU 02 F
------	----------

Order No. 947 282-001



Simultaneous connection of up to four receivers possible, throughpass of the remote feed voltage, usage in conjunction with multiswitches in satellite MATV installations, addition to broadband cable installations of additional satellite programs

		RC	VHF I	FM	LSC-VHF III ESC	UHF IV/V	Sat IF
Frequenzbereich	MHz		47-68	87,5-108	174-470	470-862	950-2400
Connection attenuation							
RF, socket	dB		-	2,0	-	-	-
TV, plug	dB		2,0	-	2,0	2,0	-
Sat, F-socket	dB		-	-	-	-	2,0 - 3,0
Remote feed voltage/current	max. 24 V=/500 mA via satellite output						

Frequency range	MHz	47-68	87.5-108	174-470	470-862	950-2400
Throughpass attenuation	dB	1.5	1.5	1.5	2.0	2.5-3.5
Connection attenuation						
RF, socket	dB		14	-	-	-
TV, plug	dB	14		14	14	-
Sat, F-socket	dB	-	-	-	-	14-15
Coupling attenuation intern						
Output/TV	dB	22	-	22	22	-
Output./Sat	dB	-	20	-	-	16

Frequency range	MHz	5-40	47-68	87.5-108	125-470	470-862	950-2400
Connection attenuation							
Input Ht/output FM (socket)	dB	-	-	6.5	-	-	-
Input Ht/output TV (plug)	dB	5.0	6.0	-	6.0	6.0	-
Input Ht/output S1 (F-socket)	dB	2.5	2.2	2.2	2.2	2.2	2.5
Input V/output S2 (F-socket)	dB	0.2	0.4	0.4	0.4	0.4	0.5
Internal coupling attenuation							
Output S1/S2	dB	-	-	-	48	48	36-30
Remote feed voltage/current	max. 24 V=/500 mA via satellite output						

Double antenna outlet sockets

- Filter sockets up to 1000 MHz
- Suitable for specially configured subscriber connections for broadband cable/CATV networks
- For connecting a radio and a TV
- Suitable for return path (RP)
- Easy installation and connection
- Socket and plug to IEC 60169-2
- Can be installed in 55 flush mounting box (58 mm Ø) or in surface box
- Please order accessories separately
- Special types in large quantities only
- Meets EN 50083-1, -2

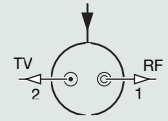


Special types

Terrestrial CATV individual socket

Type FS 1 D

Order No. 947 593-001

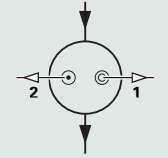


Special socket for broadband CATV and MATV installations on decoupled tap-off lines

Throughpass socket

Type FS 7 D

Order No. 947 623-001

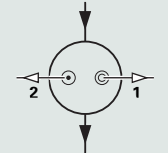
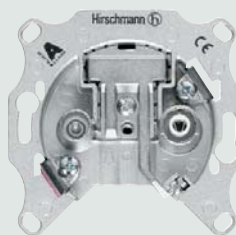


Special socket for broadband CATV and MATV installations

Throughpass socket

Type FS 12 D

Order No. 947 594-001

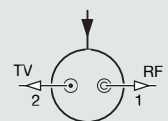
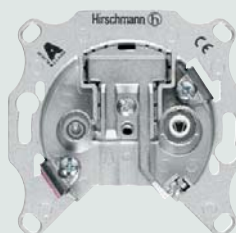


Special socket for broadband CATV and MATV installations

CATV individual socket

Type FS 1 BNL*

Order No. 947 595-002



Special socket for broadband cable/CATV and MATV installations on decoupled tap-off lines, Galvanic separation of the inner conductor connections (> 2 kV, 50 Hz)

* Only for BeNeLux, on request also available in other countries.

		RP/VHF I	FM	(LSC)-VHF III	ESC	UHF IV/V
Frequency range	MHz	5-68	87.5-108	118-125	125-470	470-1000

Connection attenuation						
1 (RF), socket	dB	20	1.0	20	26	26
2 (TV), plug	dB	0.8	12	2.0	0.8	0.8
Intern. coupling attenuation	dB	20	12	20	26	26

		5-68	87.5-108	118-125	125-470	470-1000
Frequency range	MHz					

Throughpass attenuation	dB	2.8	2.8	2.8	2.8	3.3
Connection attenuation						
1 (RF), socket	dB	30	8	-	26	30-26
2 (TV), plug	dB	7.4	18	8	7	8
Directional attenuation	dB	25	42	42	36	36
Intern. coupling attenuation	dB	20	15	-	20	25-22

		5-68	87.5-108	118-125	125-470	470-1000
Frequency range	MHz					


Throughpass attenuation	dB	0.8	0.8	0.8	0.8	0.8
Connection attenuation						
1 (RF), socket	dB	30	12	30	36	36
2 (TV), plug	dB	12	22	12	11	11
Directional attenuation	dB	30	40	40	40	36
Intern. coupling attenuation	dB	20	12	20	26	26

		5-75	87.5-108	118-125	125-470	470-862
Frequency range	MHz					

Connection attenuation						
1 (RF), socket	dB	30-12	1.8	12-14	14-26	26
2 (TV), plug	dB	1.8	12	1.8	0.8	0.8
Intern. coupling attenuation	dB	30-12	12	12-14	14-26	26

Antenna Outlet Sockets

Double antenna outlet sockets

- SAT-CATV combination outlet
- Universal outlet for the connection of a radio receiver, television receiver or satellite receiver
- Suitable for Sat and terrestrial
- Suitable for Sat distribution in tree structure
- Can be used for all international TV standards: B/G, D/K, I, L, M, CCIR/OIRT, PAL/SECAM/NTSC/Digital-TV
- Convenient mechanics and connections
- Socket and plug in accordance with IEC 60169-2
- Can be installed in 55 flush mounting box (58 mm Ø) or in distance frame
- Please order termination resistor with electrical isolation of the inner conductor (R77 DCB), frame and covering frame separately
- Quantity boxed 10 pieces
- Meets EN 50083-1, -2
- 

GD 08 S and GD 11 S

- Usage in residential SAT cabling within the home using loop-through system.
- The SAT connection with DC support is DC decoupled, i.e. a SAT receiver can be connected to each socket in the chain. At the same time, it is also possible to operate only one receiver.


FEKAB:

- For connecting a radio, TV or satellite receiver to an antenna outlet socket in accordance with IEC 60169-2
- Completely assembled, with angled coaxial plug and angled coaxial socket in accordance with IEC 60169-2

SATKAB:

- For the connection of a satellite receiver to an antenna outlet socket with F-connectors
- Completely assembled, with 2 angled connectors

Common features:

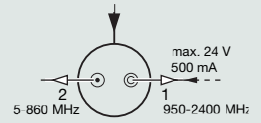
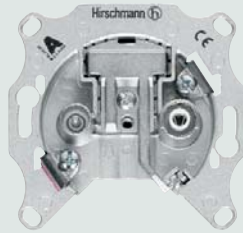
- White cable and connectors
- Packed in polythene bag
- Quantity boxed: 10 pieces
- Shielding rate ≥ 90 dB
- 

Special types

Satellite CATV individual socket

Type	ED 01 S
------	---------

Order No. 947 644-002

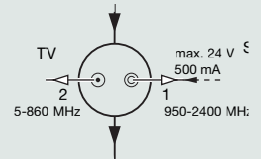


For use in individual and MATV installations on decoupled tap-off lines
Transmits remote feed voltage (e.g. multiswitches)

Throughpass socket

Type	GD 08 S
------	---------

Order No. 947 646-001

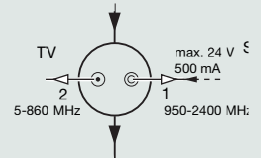


For use in MATV installations.
Transmits remote feed voltage (decoupled using diode)

Throughpass socket

Type	GD 11 S
------	---------

Order No. 947 645-002



For use in MATV installations.
Transmits remote feed voltage (decoupled using diode)

Connection cable

Type	FEKAB 1.5 m	SATKAB 1.5 m
------	-------------	--------------

Order No. 947 679-151 947 665-151

Type	FEKAB 3 m	SATKAB 3 m
------	-----------	------------

Order No. 947 680-151 947 666-151



Fig. FEKAB

Type	IEC socket	F/F-quick connectors
Frequency range	0.15-2400 MHz	0.15-2400 MHz
Connection	IEC connection	F/F connection

RC VHF I FM LSC-VHFIII UHF IV/V Sat IF
ESC

Frequency range MHz 5-40 47-68 87.5-108 125-470 470-862 950-2150 2150-2400

Connection attenuation								
2 RF/TV (plug)	dB	1.0	1.0	1.0	1.0	1.2	20	25
1 Sat (socket)	dB	30	30	30	30	25	1.2	1.2
Coupling attenuation TV/Sat	dB	30	30	30	30	30-25	20	25
Remote feed voltage/current	max. 24 V= /500 mA via satellite output							

Frequency range MHz 5-40 47-68 87.5-108 125-470 470-862 950-2150 2150-2400

Throughpass attenuation	dB	2.4	2.4	2.4	2.4	2.4	3.2	4.2
Connection attenuation								
2 RF/TV (plug)	dB	8	8	8	8	9	24	26
1 Sat (socket)	dB	33	33	33	33	33	8	9
Coupling attenuation TV/Sat	dB	30	30	30	30	25	20	25
Directional attenuation								
output/TV	dB	30	30	30	30	30	35	30
output/Sat	dB	35	35	35	35	35	20	15
Remote feed voltage/current	max. 24 V= /500 mA via satellite output							

Frequency range MHz 5-40 47-68 87.5-108 125-470 470-862 950-2150 2150-2400

Throughpass attenuation	dB	1.0	1.0	1.0	1.0	1.2	1.6	2.4
Connection attenuation								
2 RF/TV (plug)	dB	11	11	11	11	11.5	25	30
1 Sat (socket)	dB	35	35	35	35	35	11.5	12.0
Coupling attenuation TV/Sat	dB	30	30	30	30	25	20	25
Directional attenuation								
output/TV	dB	30	30	30	30	30	35	30
output/Sat	dB	35	35	35	35	35	20	15
Remote feed voltage/current	max. 24 V= /500 mA via satellite output							

Accessories

Termination resistors 75 Ω

Type **R 77**

Order No. 947 508-002



- For low reflection connection
- Frequency range 0.15-2400 MHz
- Usage with antenna outlet sockets, tap-offs, distribution boxes

Typ **R 77 DCB**

Order No. 940 152-001



- In addition:
- Electrical isolation of the inner conductor
 - Frequency range 40-2400 MHz



Antenna Outlet Sockets

- For surface mounting of all Hirschmann antenna outlet sockets
- Color: ivory and white
- For antenna outlet sockets EDU..., GEDU..., FS...
- Associated cover plate for AR 20: AD 350


- For Hirschmann antenna outlet sockets EDU..., GEDU... and FS...
- Color: ivory and white
- Made of impact-proof plastic
- For standard range and also for some special types

Accessories

Surface box

Type		AR 20	AR 30
Order No.	ivory	910 382-002	947 562-001
	white	910 382-005	
			
For usage with		2 x, 4 x sockets	3 x sockets
Dimension		81 x 81 mm	76 x 76 mm

Cover plate

Type		AD 350
Order No.	ivory	910 460-202
	white	910 460-205
		
Dimension		81 x 81 mm