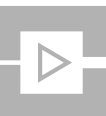




Satellite multiswitch systems

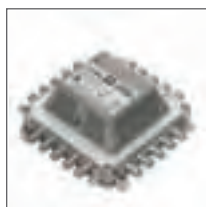
- ▶ WISI MULTISYSTEM QUICK, stand alone 5 inputs
- ▶ WISI MULTISYSTEM QUICK, cascadeable 5 inputs
- ▶ WISI MULTISYSTEM QUICK, cascadeable 9 inputs
- ▶ Accessories MULTISYSTEM QUICK



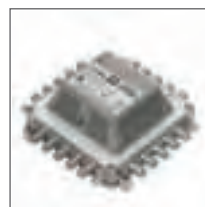
WISI MULTISYSTEM QUICK, stand alone 5 inputs

EMC acc. to CE, Class A

DY 56 A



DY 58 A



Type	DY 56 A Multiswitch, Stand Alone	DY 58 A Multiswitch, Stand Alone
Inputs SAT + TERR	4 + 1	4 + 1
Frequency range TERR	5-862 MHz	5-862 MHz
Frequency range SAT	950-2400 MHz	950-2400 MHz
Subscriber outputs	6	8
Side loss TERR	22 dB	22 dB
Side loss SAT	9 dB	9 dB
Isolation TERR Subscriber-Subscriber	>42 dB min.	>42 dB min.
Isolation SAT Subscriber-Subscriber	>30 dB min.	>30 dB min.
Control signal	13/18 V; 22 kHz	13/18 V; 22 kHz
Operating voltage	230 VAC	230 VAC
Power consumption	8.5 W	8.5 W
Current consumption internal	150 mA	150 mA
LNB supply voltage	14VDC/350 mA	14VDC/350 mA
Dimensions	140x140x58 mm	140x140x58 mm
Packing unit	1 piece, 2.16 dm ³ , 0.74 kg	1 piece, 2.16 dm ³ , 0.74 kg
Shipping package	5 pieces, 15 dm ³ , 4 kg	5 pieces, 15 dm ³ , 4 kg



WISI MULTISYSTEM QUICK, cascadeable 5 inputs



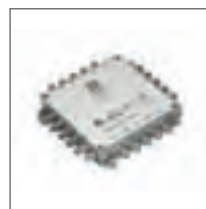
EMC acc. to CE, Class A

DY 12

DY 16

DY 44 A

DY 46 A

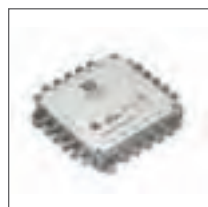


Type	DY 12 Multiswitch, Stand Alone & cascadeable	DY 16 Multiswitch, Stand Alone & cascadeable	DY 44 A Multiswitch, cascadeable	DY 46 A Multiswitch, cascadeable
Inputs SAT + TERR	4 + 1	4 + 1	4 + 1	4 + 1
Subscriber outputs	12	16	4	6
Frequency range TERR	5-862 MHz	5-862 MHz	5-862 MHz	5-862 MHz
Gain TERR	-	-	-	-
Output level TERR, 3rd ord. EN 50083-5	-	-	-	-
Frequency range SAT	950-2400 MHz	950-2400 MHz	950-2400 MHz	950-2400 MHz
Gain SAT trunk	-	-	-	-
Output level SAT, 3rd ord. EN 50083-5	103 dB 35 dB IMA	103 dB 35 dB IMA	-	-
Gain trunk	12 dB	12 dB	-	-
Thru loss trunk 950-2400 MHz	8.5 dB	11 dB	TERR: 5.5 dB SAT: 1.3-3.4 dB	TERR: 5.5 dB SAT: 1.3-3.4 dB
Frequency range subscriber outputs	5-2400 MHz	5-2400 MHz	5-2400 MHz	5-2400 MHz
Side loss TERR	22 dB	22 dB	22 dB	22 dB
Side loss SAT	0 dB	0 dB	21-16 dB (Cable comp.)	21-16 dB (Cable comp.)
Isolation TERR Subscriber-Subscriber	>42 dB	>42 dB	>42 dB	>42 dB
Isolation SAT Subscriber-Subscriber	>30 dB	>30 dB	>30 dB	>30 dB
Control signal	13/18 V; 22 kHz	13/18 V; 22 kHz	13/18 V; 22 kHz	13/18 V; 22 kHz
LNB supply voltage	14 VDC / 350 mA	14 VDC / 700 mA	-	-
Power consumption	17.5 W	17.5 W	-	-
Current consumption from receiver	150 mA	150 mA	-	-
Dimensions	210x140x55 mm	210x140x55 mm	140x140x27 mm	140x140x27 mm
Packing unit	1 piece, 2.3 dm ³ , 1.13 kg	1 piece, 2.3 dm ³ , 1.13 kg	1 piece, 2.16 dm ³ , 0.74 kg	1 piece, 2.16 dm ³ , 0.74 kg
Shipping package	5 pieces, 14.5 dm ³ , 6.05 kg	5 pieces, 14.5 dm ³ , 6.05 kg	5 pieces, 15 dm ³ , 4.0 kg	5 pieces, 15 dm ³ , 4.0 kg

WISI MULTISYSTEM QUICK, cascadeable 5 inputs

EMC acc. to CE, Class A

DY 48 A



DY 54 B



DY 56 B



DY 58 B



Type	DY 48 A Multiswitch, cascadeable	DY 54 B Multiswitch, Stand Alone & cascadeable	DY 56 B Multiswitch, Stand Alone & cascadeable	DY 58 B Multiswitch, Stand Alone & cascadeable
Inputs SAT + TERR	4 + 1	4 + 1	4 + 1	4 + 1
Subscriber outputs	8	4	6	8
Frequency range TERR	5-862 MHz	5-862 MHz	5-862 MHz	5-862 MHz
Gain TERR	-	14 dB	14 dB	14 dB
Output level TERR, 3rd ord. EN 50083-5	-	108 dB μ V	108 dB μ V	108 dB μ V
Frequency range SAT	950-2400 MHz	950-2400 MHz	950-2400 MHz	950-2400 MHz
Gain SAT trunk	-	15 dB	15 dB	15 dB
Output level SAT, 3rd ord. EN 50083-5	-	103 dB μ V 35 dB IMA	103 dB μ V 35 dB IMA	103 dB μ V 35 dB IMA
Gain trunk	-	-	-	-
Thru loss trunk 950-2400 MHz	TERR: 5.5 dB SAT: 1.3-3.4 dB	-	-	-
Frequency range subscriber outputs	5-2400 MHz	5-2400 MHz	5-2400 MHz	5-2400 MHz
Side loss TERR	22 dB	2 dB	2 dB	2 dB
Side loss SAT	21-16 dB (Cable comp.)	0 dB	0 dB	0 dB
Isolation TERR Subscriber-Subscriber	>42 dB	>42 dB	>42 dB	>42 dB
Isolation SAT Subscriber-Subscriber	>30 dB	>30 dB	>30 dB	>30 dB
Control signal	13/18 V; 22 kHz	13/18 V; 22 kHz	13/18 V; 22 kHz	13/18 V; 22 kHz
LNB supply voltage	-	14 VDC / 290 mA	14 VDC / 290 mA	14 VDC / 290 mA
Power consumption	-	9.5 W	9.5 W	9.5 W
Current consumption from receiver	-	210 mA	210 mA	210 mA
Dimensions	140x140x27 mm	140x140x58 mm	140x140x58 mm	140x140x58 mm
Packing unit	1 piece, 2.16 dm ³ , 0.74 kg	1 piece, 2.16 dm ³ , 0.74 kg	1 piece, 2.16 dm ³ , 0.74 kg	1 piece, 2.16 dm ³ , 0.74 kg
Shipping package	5 pieces, 15 dm ³ , 4.0 kg	5 pieces, 15 dm ³ , 4.0 kg	5 pieces, 15 dm ³ , 4.0 kg	5 pieces, 15 dm ³ , 4.0 kg



WISI MULTISYSTEM QUICK, cascadeable 9 inputs



* Switches can be addressed with 14/18 V, 22 kHz
but only 4 inputs can be controlled
EMC acc. to CE, Class A

DY 04



DY 06



DY 08

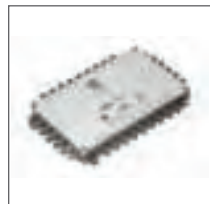


Type	DY 04 Multiswitch, Stand Alone & cascadeable	DY 06 Multiswitch, Stand Alone & cascadeable	DY 08 Multiswitch, Stand Alone & cascadeable
Inputs SAT + TERR	8 + 1	8 + 1	8 + 1
Subscriber terminals	4	6	8
Frequency range TERR	5-862 MHz	5-862 MHz	5-862 MHz
Frequency range SAT	950-2400 MHz	950-2400 MHz	950-2400 MHz
Frequency range subscriber terminals	5-2400 MHz	5-2400 MHz	5-2400 MHz
Thru loss trunk	6 dB	6 dB	6 dB
Side loss TERR	22 dB	22 dB	22 dB
Side loss SAT	0 dB	0 dB	0 dB
Isolation TERR subscriber-subscriber	>42 dB	>42 dB	>42 dB
Isolation SAT subscriber-subscriber	>30 dB	>30 dB	>30 dB
Gain trunk	15 dB	15 dB	15 dB
Isolation trunk	30 dB min.	30 dB min.	30 dB min.
Cascadeable with	DY 04/06/08/ DY 94A/96A/98A	DY 04/06/08/ DY 94A/96A/98A	DY 04/06/08/ DY 94A/96A/98A
Power supply	230 VAC	230 VAC	230 VAC
Control signal	DiSEqC 2.0 *	DiSEqC 2.0 *	DiSEqC 2.0 *
LNB feed voltage	14 VDC / 700 mA	14 VDC / 700 mA	14 VDC / 700 mA
Power consumption max.	17.5 W	17.5 W	17.5 W
Current consumption	300 mA	300 mA	300 mA
Dimensions	210x140x55 mm	210x140x55 mm	210x140x55 mm
Packing unit	1 piece, 2.3 dm ³ , 1.13 kg	1 piece, 2.3 dm ³ , 1.13 kg	1 piece, 2.3 dm ³ , 1.13 kg
Shipping package	5 pieces, 14.5 dm ³ , 6.05 kg	5 pieces, 14.5 dm ³ , 6.05 kg	5 pieces, 14.5 dm ³ , 6.05 kg

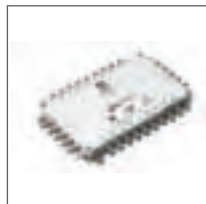
WISI MULTISYSTEM QUICK, cascadeable 9 inputs

* Switches can be addressed with 14/18 V, 22 kHz
but only 4 inputs can be controlled
EMC acc. to CE, Class A

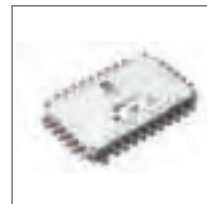
DY 94 A



DY 96 A



DY 98 A



Type	DY 94 A Multiswitch, cascadeable	DY 96 A Multiswitch, cascadeable	DY 98 A Multiswitch, cascadeable
Inputs SAT + TERR	8 + 1	8 + 1	8 + 1
Subscriber terminals	4	6	8
Frequency range TERR	5-862 MHz	5-862 MHz	5-862 MHz
Frequency range SAT	950-2400 MHz	950-2400 MHz	950-2400 MHz
Frequency range subscriber terminals	5-2400 MHz	5-2400 MHz	5-2400 MHz
Thru loss trunk	TERR: 5.5 dB SAT: 1.3-3.4 dB	TERR: 5.5 dB SAT: 1.3-3.4 dB	TERR: 5.5 dB SAT: 1.3-3.4 dB
Side loss TERR	21 dB	21 dB	21 dB
Side loss SAT	21-26 dB (5 dB slope)	21-26 dB (5 dB slope)	21-26 dB (5 dB slope)
Isolation TERR subscriber-subscriber	>42 dB	>42 dB	>42 dB
Isolation SAT subscriber-subscriber	>30 dB	>30 dB	>30 dB
Gain trunk	-	-	-
Isolation trunk	30 dB min.	30 dB min.	30 dB min.
Cascadeable with	DY 04/06/08/ DY 94A/96A/98A	DY 04/06/08/ DY 94A/96A/98A	DY 04/06/08/ DY 94A/96A/98A
Power supply	-	-	-
Control signal	DiSEqC 2.0 *	DiSEqC 2.0 *	DiSEqC 2.0 *
LNB feed voltage	-	-	-
Power consumption max.	-	-	-
Current consumption	-	-	-
Dimensions	210x140x27 mm	210x140x27 mm	210x140x27 mm
Packing unit	1 piece, 1.13 dm ³ , 0.72 kg	1 piece, 1.13 dm ³ , 0.72 kg	1 piece, 1.13 dm ³ , 0.72 kg
Shipping package	5 pieces, 6.05 dm ³ , 3.9 kg	5 pieces, 6.05 dm ³ , 3.9 kg	5 pieces, 6.05 dm ³ , 3.9 kg



Accessories MULTISYSTEM QUICK

DV 24



F-Terminating resistor

Packing unit	10 pcs. / bag	0,2 dm ³	0,03 kg
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DV 25



F-Terminating resistor

with DC-Isolation

Packing unit	10 pieces, in bag	0.25 dm ³	0.05 kg
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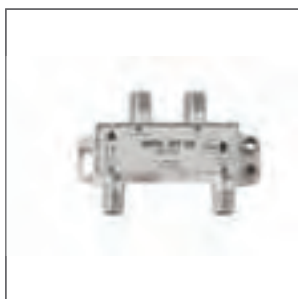
DV 49 A



F-connector F-Fix/F-Quick

Packing unit	10 pieces, in bag	0.25 dm ³	0.10 kg
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DY 20



DiSEqC-switch

Selection of two SAT IF layers

Packing unit	1 piece, bag
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Shipping package	100 pieces, 13,44 dm ³ , 7.5 kg
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DY 50 A



SAT amplifier

- 4 SAT inputs and outputs + 1 TERR. input and output
- Input: 0-15 dB attenuator at SAT / TERR
- Return path: 0-10 dB attenuator
- High screening, Class A
- Stand-by function
- Return path and IRS (Integrated Reception System)

Specifications

Frequency range	TERR	85-862 MHz
Gain	TERR	15-22 dB
Output level 3rd order EN 50083-3	TERR	115 dB μ V
Attenuator	TERR	0-15 dB
Frequency range return path	TERR	5-65 MHz
Gain	TERR	8-9 dB
Attenuator	TERR	0-10 dB
Frequency range	SAT	950-2400 MHz
Gain	SAT	16-23 dB
Output level 3rd order EN 50083-3	SAT	115 dB μ V
Noise	SAT	11-4 dB
Attenuator	SAT	0-15 dB
Isolation trunk	SAT	27 dB min./38 dB typ.
Power supply		external or via trunk
Current consumption 13/14 VDC		370 mA
Housing, cover		Zinc die-cast
Dimensions incl. F-conn.		140x140x27 mm
EMC		CE, Class A

DY 55



High Power-Plug-in power supply unit for DY 50 A

Mains voltage	230 VAC, 50/60 Hz	
Output voltage	13 VDC	
Output current	1.6 A	short-circuit protected
Packing unit	1 piece, 1.5 dm ³ , 0.35 kg	



