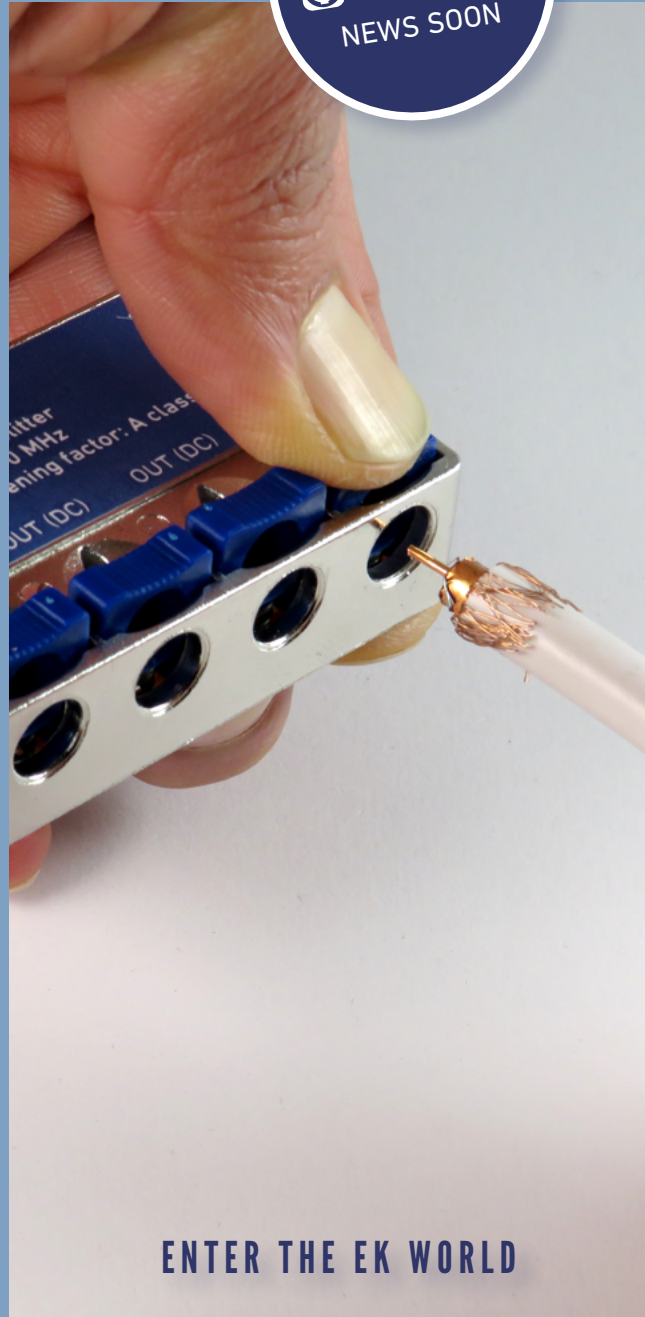




EKSELANS BY ITS



THE NEW STANDARD CONNECTION FOR COAXIAL CABLES



ENTER THE EK WORLD

· JUST CONNECT IT ·

01



Reduce to
minimum
installation time

02



No need
of **tools**

03



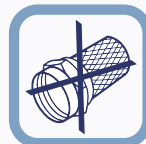
Guarantees
an **excellent
connected** and
minimizes the
space

04



Very high
shielding factor
CLASS A +10dB
throughout the
band

05



Eliminate the use
of **connectors**
and associated
costs

06



QuiCoax,
the new
**Standard of
Connection**

QuiCoax®

· JUST CONNECT IT ·

INTERNATIONAL
PATENT
PENDING



SPLITTERS

RQC 2 · RQC 3 · RQC 4

REFERENCE	RQC 2	RQC 3	RQC 4
CODE	141010	141011	141016
LOSS			
Insertion loss (IN-OUT) 5-47 MHz	<3.5 dB	<6 dB	<7.4 dB
Insertion loss (IN-OUT) 47-950 MHz	<4.0 dB	<6.7 dB	<8 dB
Insertion loss (IN-OUT) 950-2150 MHz	<5.5 dB	<9 dB	<10 dB
Insertion loss (IN-OUT) 2150-2400 MHz	<6.0 dB	<9.3 dB	<10.3 dB
ISOLATION			
Isolation (OUT-OUT) 5-47 MHz	>35 dB	>30 dB	>30 dB
Isolation (OUT-OUT) 47-950 MHz	>30 dB	>30 dB	>30 dB
Isolation (OUT-OUT) 950-2150 MHz	>22 dB	>25 dB	>30 dB
Isolation (OUT-OUT) 2150-2400 MHz	>20 dB	>24 dB	>30 dB
RETURN LOSS			
Return loss 5-47 MHz	>15 dB	>12 dB	>12 dB
Return loss 47-950 MHz	>15 dB	>15 dB	>15 dB
Return loss 950-2150 MHz	>15 dB	>12 dB	>15 dB
Return loss 2150-2400 MHz	>12 dB	>12 dB	>15 dB
OPERATIONAL			
Impedance	75 Ω	75 Ω	75 Ω
Application	SAT, MATV 2.4Ghz +DC	SAT, MATV 2.4Ghz +DC	SAT, MATV 2.4Ghz +DC
Screening Efficiency	EN50083-2 Class A +10dB	EN50083-2 Class A +10dB	EN50083-2 Class A +10dB
DC Passthrough	Yes (max. 500mA)	Yes (max. 500mA)	Yes (max. 500mA)
Environment	Indoor	Indoor	Indoor
CABLE CONNECTION			
Number of inputs	1	1	1
Number of outputs	2	3	4
Connection Type	QuiCoax	QuiCoax	QuiCoax
MECHANICAL			
Product Depth	16 mm	16 mm	16 mm
Product Height	38 mm	38 mm	38 mm
Product Width	75 mm	75 mm	103 mm
Packing QTY	1		
Net Weight	0.081kg	0.081kg	0.114kg

- √ QuiCoax connection system
- √ 2/3/4 Outputs
- √ Low insertion loss
- √ DC pass



TAPS



DQC 212 · DQC 216 · DQC 220 · DQC 224

- ✓ QuiCoax connection system
- ✓ 2 Outputs
- ✓ Low insertion loss
- ✓ DC pass in trunk line



REFERENCE	DQC212	DQC216	DQC220	DQC224
CODE	141012	141013	141014	141015
LOSS				
Insertion loss (IN-OUT) 5-47 MHz	<2.3 dB	<1.1 dB	<0.8 dB	<0.5 dB
Insertion loss (IN-OUT) 47-950 Mhz	<2.4 dB	<1.2 dB	<0.9 dB	<0.6 dB
Insertion loss (IN-OUT) 950-2150 MHz	<4 dB	<2dB	<1.2dB	<1dB
Insertion loss (IN-OUT) 2150-2400 Mhz	<4.3 dB	<2.2 dB	<1.7 dB	<1.6 dB
Tap loss (IN-TAP) 5-47 MHz	12 dB ±1.5 dB	16 dB ±1.5 dB	20 dB ±1.5 dB	24 dB ±1.5 dB
Tap loss (IN-TAP) 47-950 MHz	12 dB ±1.5 dB	16 dB ±1.5 dB	20 dB ±1.5 dB	24 dB ±1.5 dB
Tap loss (IN-TAP) 950-2150 MHz	12 dB ±1.5 dB	16 dB ±1.5 dB	20 dB ±1.5 dB	24 dB ±1.5 dB
Tap loss (IN-TAP) 2150-2400 MHz	12 dB ±1.5 dB	16 dB ±1.5 dB	20 dB ±1.5 dB	24 dB ±1.5 dB
ISOLATION				
Isolation (TAP-TAP) 5-47 MHz	>35 dB	>28 dB	>29 dB	>28dB
Isolation (TAP-TAP) 47-950 MHz	>30 dB	>28 dB	>29 dB	>28 dB
Isolation (TAP-TAP) 950-2150 MHz	>20 dB	>28 dB	>22 dB	>24 dB
Isolation (TAP-TAP) 2150-2400 MHz	>18 dB	>22 dB	>29 dB	>24 dB
Isolation (TAP-OUT) 5-47 MHz	>28 dB	>28 dB	>35 dB	>40 dB
Isolation (TAP-OUT) 47-950 MHz	>25 dB	>25 dB	>35 dB	>40 dB
Isolation (TAP-OUT) 950-2150 MHz	>22 dB	>25 dB	>28 dB	>30 dB
Isolation (TAP-OUT) 2150-2400 MHz	>22 dB	>24 dB	>26 dB	>30 dB
RETURN LOSS				
Return loss 5-47 MHz	>14 dB	>15 dB	>15 dB	>17 dB
Return loss 47-950 MHz	>15 dB	>15 dB	>15 dB	>18 dB
Return loss 950-2150 MHz	>12 dB	>12 dB	>12 dB	>15 dB
Return loss 2150-2400 MHz	>12 dB	>10 dB	>10 dB	>12 dB
OPERATIONAL				
Impedance	75 Ω	75 Ω	75 Ω	75 Ω
Application	SAT, MATV 2.4Ghz +DC	SAT, MATV 2.4Ghz +DC	SAT, MATV 2.4Ghz +DC	SAT, MATV 2.4Ghz +DC
Screening Efficiency	EN50083-2 Class A +10dB	EN50083-2 Class A +10dB	EN50083-2 Class A +10dB	EN50083-2 Class A +10dB
DC Passthrough	Yes (max. 500mA)	Yes (max. 500mA)	Yes (max. 500mA)	Yes (max. 500mA)
Environment	Indoor	Indoor	Indoor	Indoor
CABLE CONNECTION				
Number of inputs	1	1	1	1
Number of outputs	1	1	1	1
Number of taps	2	2	2	2
Connection Type	QuiCoax			
MECHANICAL				
Product Depth	16 mm			
Product Height	38 mm			
Product Width	75 mm			
Packing QTY	1			
Net Weight	0.081kg			

DQC 412 · DQC 416 · DQC 420 · DQC 424

REFERENCE	DQC412	DQC416	DQC420	DQC424
CODE	142016	142017	142018	142019
LOSS				
Insertion loss (in-out) 5-47 MHz	<3 dB	<2.5 dB	<1.3 dB	<0.5 dB
Insertion loss (in-out) 47-950 MHz	<4.1 dB	<2.6 dB	<1.6 dB	<0.8 dB
Insertion loss (in-out) 950-2150 MHz	<4.5 dB	<3.2 dB	<2.5 dB	<1.5 dB
Insertion loss (in-out) 2150-2400 MHz	<4.7 dB	<3.6 dB	<3.1 dB	<2.2 dB
Tap loss (in-tap) 5-47 MHz	12 dB ±1.5 dB	16 dB ±1.5 dB	20 dB ±1.5 dB	24 dB ±1.5 dB
Tap loss (in-tap) 47-950 MHz	12 dB ±1.5 dB	16 dB ±1.5 dB	20 dB ±1.5 dB	24 dB ±1.5 dB
Tap loss (in-tap) 950-2150 MHz	12 dB ±1.5 dB	16 dB ±1.5 dB	20 dB ±1.5 dB	24 dB ±1.5 dB
Tap loss (in-tap) 2150-2400 MHz	12 dB ±1.5 dB	16 dB ±1.5 dB	20 dB ±1.5 dB	24 dB ±1.5 dB
ISOLATION				
Isolation (tap-tap) 5-47 MHz	>25 dB	>25 dB	>25 dB	>25 dB
Isolation (tap-tap) 47-950 MHz	>30 dB	>22 dB	>23 dB	>25 dB
Isolation (tap-tap) 950-2150 MHz	>26 dB	>20 dB	>23 dB	>25 dB
Isolation (tap-tap) 2150-2400 MHz	>22 dB	>20 dB	>25 dB	>28 dB
Isolation (tap-out) 5-47 MHz	>35 dB	>23 dB	>35 dB	>35 dB
Isolation (tap-out) 47-950 MHz	>30 dB	>23 dB	>30 dB	>30 dB
Isolation (tap-out) 950-2150 MHz	>32 dB	>24 dB	>24 dB	>30 dB
Isolation (tap-out) 2150-2400 MHz	>32 dB	>25 dB	>24 dB	>28 dB
RETURN LOSS				
Return loss 5-47 MHz	>12 dB	>15 dB	>15 dB	>15 dB
Return loss 47-950 MHz	>14 dB	>15 dB	>15 dB	>15 dB
Return loss 950-2150 MHz	>12 dB	>15 dB	>15 dB	>15 dB
Return loss 2150-2400 MHz	>12 dB	>12 dB	>12 dB	>12 dB
OPERATIONAL				
Impedance	75 Ω	75 Ω	75 Ω	75 Ω
Application	SAT, MATV 2.4Ghz +DC	SAT, MATV 2.4Ghz +DC	SAT, MATV 2.4Ghz +DC	SAT, MATV 2.4Ghz +DC
Screening Efficiency	EN50083-2 Class A +10dB	EN50083-2 Class A +10dB	EN50083-2 Class A +10dB	EN50083-2 Class A +10dB
DC Passthrough	Yes (max. 500mA)	Yes (max. 500mA)	Yes (max. 500mA)	Yes (max. 500mA)
Environment	Indoor	Indoor	Indoor	Indoor
CABLE CONNECTION				
Number of inputs	1	1	1	1
Number of outputs	1	1	1	1
Number of taps	4	4	4	4
Connection Type	QuiCoax	QuiCoax	QuiCoax	QuiCoax
MECHANICAL				
Product Depth	16 mm	16 mm	16 mm	16 mm
Product Height	38 mm	38 mm	38 mm	38 mm
Product Width	103 mm	103 mm	103 mm	103 mm

- √ QuiCoax connection system
- √ 4 Outputs
- √ Low insertion loss
- √ DC pass in trunk line



MIXERS



MQC TS

- ✓ QuiCoax connection system
- ✓ 2 Inputs TER-SAT
- ✓ Low insertion loss
- ✓ SAT inputs with DC pass



REFERENCE		MQC TS	
Code		131005	
Inputs		TER	SAT
Frequency range	MHz	5-862	950-2300
Insertion loss	dB	1	1,5
Rejection	dB	30	25
DC Pass	mA	-	500
Outputs	N°	1+ TER + SAT	
Shielding factor		Class A +10dB	

Ekselans by ITS

Test of: Coupling transfer function (Ed.2)

Information for test

Test Job:	3000	Operator:	J.M.	Measurement:	05.02.2020 11:47:46
Test set-up:	triaxial cell 1000/150+TECLASS 3000 A++				
Remark:	triaxial cell 1000/150				

Device under test

Item Number:	0000	Cable type:	EK RQC 2-1 cell 1000/15
Type:	coaxial	Zw:	75.0 Ohm
Test length:	1.00 m	Eps r:	1.5

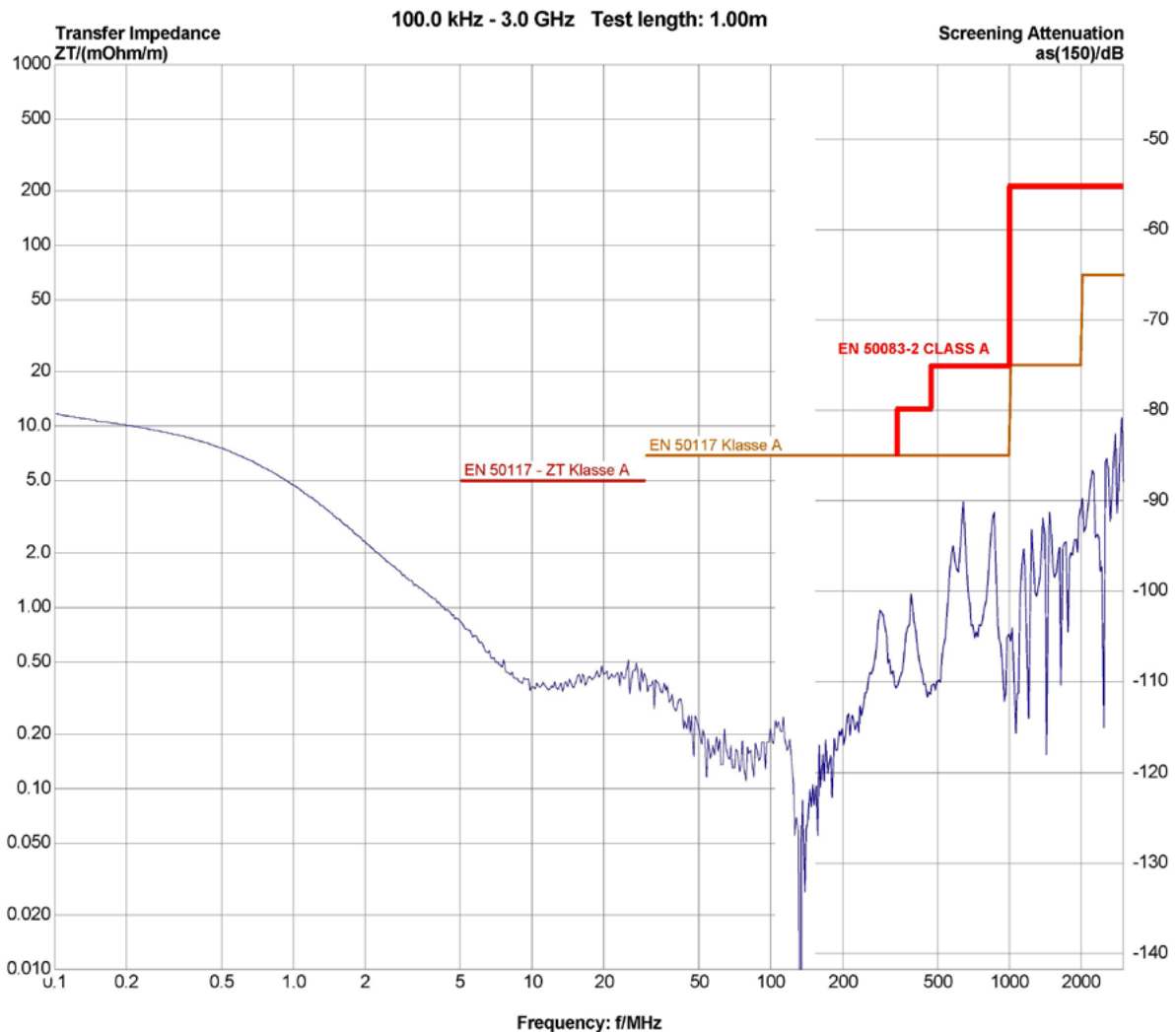


Test parameter

Start frequency:	10.0 kHz	Gen. Power:	0.0 dBm	Add. parameter of transfer impedance:	
Stop frequency:	3.0 GHz	Atten.(P1/P2):	0.0 dB	Test-setup: Short-Matched	
Number of points:	801			R1(Z1): 75.0 Ohm	
Distance of points:	log	R2:	0.0 Ohm	Eps r2:	0.0
IF-BW:	10 Hz	Rp	---	Z2:	0.0 Ohm
Z(NWA):	50.0 Ohm	Rs:	---	lex:	0.0 m

Test diagram

Coupling transfer function (Ed.2) EK RQC 2-1 cell 1000/15





EKSELANS BY ITS

EKSELANS by ITS

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