

CONNECTORS WITH QUICK LATCH MECHANISM SUBMINIATURE COAXIAL CONNECTORS QLA SIZE 00

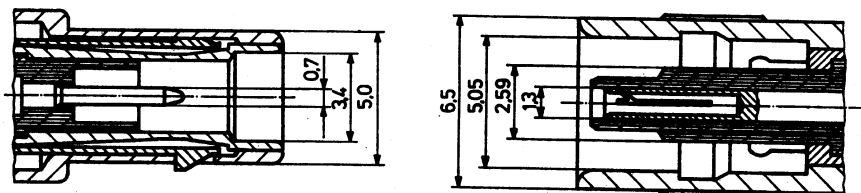
Description

Connectors with quick latch mechanism. Connection is achieved by simply pushing the plugs into the sockets. 3 latching springs automatically engage thereby securing the mated connectors against axial forces; no twisting action is required. The connectors are released by slightly pulling back the outer sleeve of the plug.

Application

In coaxial 50 Ω systems up to a frequency of 1500 MHz. Suitable for cables with up to 3 mm outer diameter. Owing to small size and unique latching mechanism, a very high packing factor can be achieved.

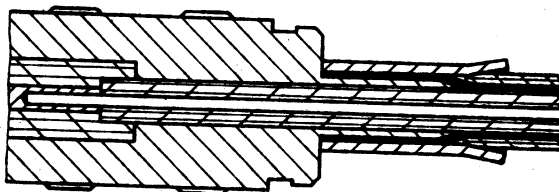
Interface dimensions



Interface dimensions and performance data conform to NIM-CAMAC 50 CM. (Mates with Lemo - 00.250, Kings K-Loc, Fischer etc.)

Cable entries

SUHNER Full-Crimp



SUHNER

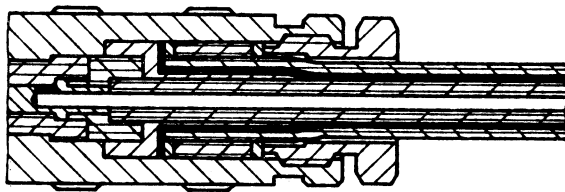
HUBER + SUHNER AG
9100 Herisau
Schweiz / Switzerland

The full-crimp cable entry design features crimped inner and outer contacts to enable high speed connector assembly of dependable quality.

SUHNER Crimp

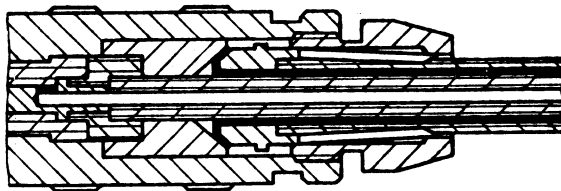
Similar to the full-crimp entry, except that the inner contact is soldered.

SUHNER Pressure-Sleeve



If an additional moisture sealing is required it is recommended to use the SUHNER Pressure-Sleeve cable entry. Connector assembly can be effected without special tools. The cable braid is pressed against a solid tube by means of a compressed rubber sleeve. This results in a reliable low contact resistance providing moisture sealing at the same time. Inner contacts are soldered.

Clamp-Type



The inner conductor is soldered, screen and cable jacket are clamped using a collet and clamp-nut.

Crimping tools

Small hand crimp tool with fixed inserts.

Type	Size	Packing
75 Z 0-2-2	1/2 A	cardboard
75 Z 0-2-3	1/2 A	wooden storage case
75 Z 0-3-2	2 B	cardboard
75 Z 0-3-3	2 B	wooden storage case

Large hand crimp tool for use with interchangeable inserts (without insert)

75 Z 0-0-1

Support plate for bench fixing of
75 Z 0-0-1.

76 Z 0-0-3

Table crimp press for use with interchangeable inserts (without insert)

75 Z 0-0-2

Interchangeable Inserts

Type	Size	Marking
76 Z 0-2-1	1/2 A	red
76 Z 0-3-1	2 B	orange

A	B	C	D	E	F	G	H	Type	Impe- dence Ω	Stand- ard	Inner conductor			Dielectric		Screen		Jacket	
●								G 01122	50	SUHNER	0,30	CuSt	D	PE	1,00	Cu	1,4	Ny	1,7
●●								G 01232	50	SUHNER	0,27	CuSt	D	PE	0,87	Cu	1,4	PVC I	2,0
●●								K 01252	50	SUHNER	0,30	CuStAg	D	FEP	0,86	Ag	1,36	FEP	1,8
●●								KO 1292	50	SUHNER	0,30	CuStAg	7x0,10	PTFE	0,84	Ag	1,36	PTFE + GSi	2,0
●●								RG 178 B/U	50	MIL	0,30	CuStAg	7x0,10	PTFE	0,84	Ag	1,35	FEP	1,8
●●								RG 196 A/U	50	MIL	0,30	CuStAg	7x0,10	PTFE	0,83	Ag	1,33	PTFE	2,05
●●								RG 404/U	50	MIL	0,30	CuStAg	7x0,10	PTFE/HL	0,84	Ag	1,4	FEP	1,9
●●								UR 94	50	BS	0,32	CuStAg	D	PE	1,02	Cu	1,37	Ny	1,73
●●								UR 110	50	BS	0,30	CuStAg	7x0,10	PTFE	0,91	Ag	1,42	FEP	1,93
●●								KX 21A	50	CCTU	0,30	CuStAg	7x0,10	PTFE	0,87	Ag	1,4	FEP	1,8
●●								TO,3 L/1	50	VG	0,30	CuStAg	7x0,10	PTFE	0,87	Ag	1,4	PTFE	2,0
	●							G 02223	75	SUHNER	0,24	CuSt	D	PE	1,5	Cu	2,0	Ny	2,3
		●						G 02232	50	SUHNER	0,48	Cu	7x0,16	PE	1,5	Cu	2,0	PVC II	2,8
		●	●					G 02233	75	SUHNER	0,24	CuSt	D	PE	1,5	Cu	2,0	PVC II	2,8
		●	●	●				G 02232d	50	SUHNER	0,45	Cu	7x0,16	PE	1,5	CuCu	2,5	PVC II	3,1
		●	●	●	●			K 02232	50	SUHNER	0,54	CuStAg	7x0,18	FEP	1,5	Ag	2,0	PVC I	2,8
		●	●	●	●			K 02252	50	SUHNER	0,48	CuStAg	D	FEP	1,5	Ag	2,0	FEP	2,5
		●	●	●	●			K 02292	50	SUHNER	0,54	CuStAg	7x0,18	PTFE	1,55	Ag	2,0	PTFE + GSi	2,6
		●	●	●	●	●		K 02252d	50	SUHNER	0,54	CuStAg	7x0,18	PTFE	1,5	AgAg	2,5	FEP	3,0
		●	●	●	●	●		RG 174/U	50	MIL	0,48	CuSt	7x0,16	PE	1,5	Sn	2,0	PVC I	2,55
		●	●	●	●	●		RG 179 B/U	75	MIL	0,30	CuStAg	7x0,10	PTFE	1,53	Ag	2,0	FEP	2,54
		●	●	●	●	●		RG 187 A/U	75	MIL	0,30	CuStAg	7x0,10	PTFE	1,53	Ag	2,0	PTFE	2,6
		●	●	●	●	●		RG 188 A/U	50	MIL	0,54	CuStAg	7x0,18	PTFE	1,55	Ag	2,0	PTFE	2,6
		●	●	●	●	●		RG 316/U	50	MIL	0,54	CuStAg	7x0,18	PTFE	1,55	Ag	2,1	FEP	2,5
		●	●	●	●	●		URM 95	50	BS	0,46	CuStAg	D	PE	1,5	Cu	1,95	Ny	2,3
		●	●	●	●	●		UR 109	50	BS	0,51	CuStAg	7x0,17	PTFE	1,52	Ag	2,0	FEP	2,54
		●	●	●	●	●		UR 111	75	BS	0,30	CuStAg	7x0,10	PTFE	1,6	Ag	2,1	FEP	2,62
		●	●	●	●	●		KX 3 A	50	CCTU	0,48	CuSt	7x0,16	PE	1,5	Cu	2,2	PVC I	2,6
		●	●	●	●	●		KX 22A	50	CCTU	0,51	CuStAg	7x0,17	PTFE	1,5	Ag	2,0	FEP	2,5
		●	●	●	●	●		T 0,5 L/2	50	VG	0,51	CuStAg	7x0,17	PTFE	1,5	Ag	2,0	PTFE	2,8
		●	●	●	●	●		G 03232	50	SUHNER	0,9	Cu	7x0,31	PE	2,95	Cu	3,6	PVC II	5,0
		●	●	●	●	●		RG 58 C/U	50	MIL	0,9	Sn	19x0,18	PE	2,95	Sn	3,6	PVC II	4,95
		●	●	●	●	●		RG 122/U	50	MIL	0,84	Sn	27x0,13	PE	2,5	Sn	3,2	PVC II	4,05
		●	●	●	●	●		RG 141 A/U	50	MIL	0,95	CuStAg	D	PTFE	2,95	Ag	3,6	PTFE + GSi	4,8

Ag silver plated copper wire
AgAg double screened
Cu plain copper wire
CuCu double screened
CuSt copper plated steel wire
CuStAg silver plated copper
clad steel wire

Sn tinned copper wire
PE polyethylene
FEP fluorethylenepropylene
PTFE polytetrafluorethylene
HL semi conductive plastic
Gsi glass fibre braided

Ny polyamid
PVC I polyvinylchloride
(Type I)
PVCII polyvinylchloride
(Type II)

SUHNER

Technical data

Design features

All connectors have captivated inner conductors. Insulators are overlapping to provide increased voltage withstanding. Body and entry nuts of all connectors are provided with spanner flats to enable easy mounting using 5,5 mm spanners.

Standards

Conforms to NIM CAMAC 50 CM

Mechanical and environmental characteristics

Force to engage	ca. 2 N			
Force to disengage	ca. 5 N			
Retention force	≥ 350 N			
Contact captivation	20 N, 1 Minute, Desplacement max.0,15			
Cable retention force	Cable group minimum	A, B,	C,D,E,G,	F, H
		60 N	120 N	140 N 350 N
Durability	$\geq 10^4$ matings			
Temperature range	-55^0 C / $+150^0$ C			
Corrosion resistance	Salt spray test to MIL-STD-202			

Electrical characteristics

Impedance	50 Ω		
Frequency range	100 MHz/300 MHz/500 MHz/1400 MHz		
VSWR 50 Ω ¹	≤ 1,1		≤ 1,2
VSWR 75 Ω ^{1 2}	≤ 1,1	≤ 1,2	≤ 1,3
Insulation resistance	≥ 500 M Ω (at 500 V)		
Operating voltage	≤ 300 V _{RMS} 50 Hz		
Contact resistance Inner contact	≤ 2 m Ω		
Contact resistance Outer contact	≤ 0,2 m Ω		
Resistance			
Screen to body	≤ 0,5 m Ω		
Screening effectiv. (transfer impedance)	≥ 100 db at 500 MHz (0,5 m Ω)		
Max. contact current	2 Ampère		

¹Applies to mated connector pair 11 QLA/21 QLA.

²QLA connectors may be used with 75 Ω systems.

Materials

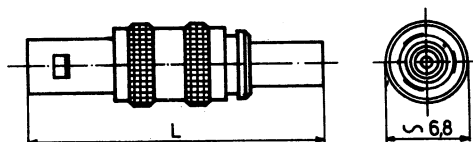
Connector part	Material, properties	Specification
Body and other metal parts	Brass, annealed	ISO Cu Zn 38 Pb 2
Contact pins		
Female contacts, springwashers	Beryllium copper HV 350	QQ-C-530/
Ratching springs		MIL-H-7199 CuBe 2
Crimp sleeves (SUHNER-Crimp)	Copper, soft	SUHNER Specification
Insulators	PTFE	L-P-403 and BS 4271 Grade B
Gaskets (SUHNER-Pressure-sleeve)	Silicone rubber 70 shore	ASTM-E-1418 PS I

Surface finish

Connector part	Material, properly	Specification
Contacts	2,5 μ gold (95,5 %)	MIL-G-45204 A Type II Class 2
Spring washers	tinned	SUHNER-Specification
Latching springs	SUCOPLATE®	SUHNER-Specification
other metal parts	Nickel	SUHNER-Specification

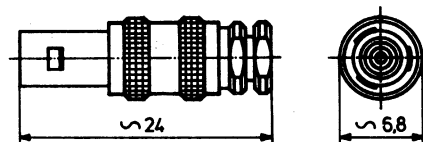
Cable plug 50 Ω

Cable entry
SUHNER Full-Crimp



SUHNER Type	Suitable cables		Assembly instruction	Crimp insert	Notes
	Group	Example			
11 QLA-01-1-8	A	RG 178. B/U	9007	1A	length ~ 27 mm
11 QLA 01-2-8c	E	RG 174/U	9007	1A	length ~ 27 mm
11 QLA 01-2-9c	F	G 02232d	9007	1A	length ~ 27 mm
11 QLA 01-3-1c	H	RG 58 C/U	3015	2B	length ~ 34,6 mm

Cable entry
SUHNER Pressure-Sleeve

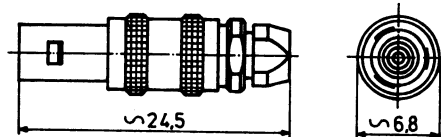


SUHNER Type	Suitable cables		Assembly instruction
	Group	Example	
11 QLA 01-2-2c	C	RG 174/U	3088
11 QLA 01-2-3c	D	G 02232	3088

SUHNER

Cable entry

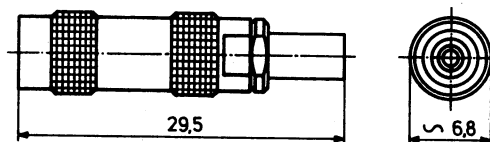
Clamp-Type



SUHNER Type	Suitable cables		Assembly instruction	Notes
	Group	Example		
11 QLA 01-1-11c	B	RG 178 B/U	9008	max. cable dia. 2,1 mm
11 QLA 01-2-11c	G	RG 174/U	9008	max. cable dia. 2,9 mm

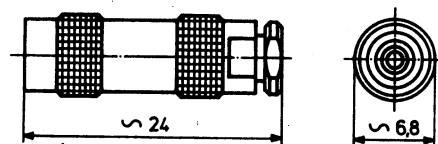
Cable jack 50 Ω

Cable entry
SUHNER-Crimp



SUHNER Type	Suitable cables		Assembly instruction	Crimp insert
	Group	Example		
21 QLA 01-2-1c	E	RG 174/U	3089	A
21 QLA 01-2-4c	F	G 02232d	3089	A

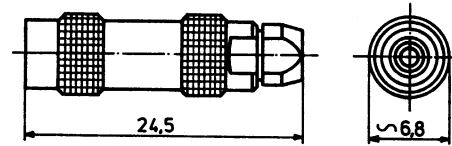
Cable entry
SUHNER Pressure-Sleeve



SUHNER Type	Suitable cables		Assembly instruction	Notes
	Group	Example		
21 QLA-01-2-2c	C	RG 174/U	3088	O-Ring 77 Z 0-0-13 included
21 QLA 01-2-3c	D	G 02232	3088	O-Ring 77 Z 0-0-13 included

Cable entry

Clamp-Type

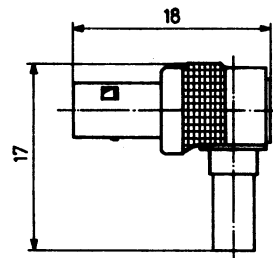


SUHNER Type	Suitable cables		Assembly instruction	Notes
	Group	Example		
21 QLA 01-1-11c	B	RG 178 B/U	9008	max. cable dia. 2,1 mm
21 QLA 01-2-11c	G	RG 174/U	9008	max. cable dia. 2,9 mm

Angle cable plug 50 Ω

Cable entry

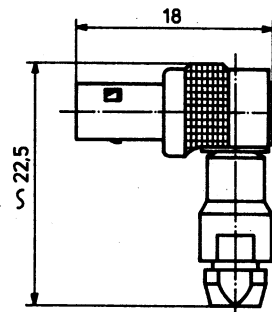
SUHNER-Crimp



SUHNER Type	Suitable cables		Assembly instruction	Crimp insert
	Group	Example		
16 QLA 01-1-1c	A	RG 178 B/U	3091	A
16 QLA 01-2-1c	E	RG 174/U	3091	A
16 QLA 01-2-4c	F	G 02232	3091	A

Cable entry

Clamp-Type



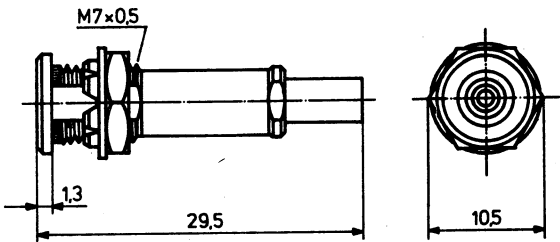
SUHNER Type	Suitable cables		Assembly instruction	Notes
	Group	Example		
16 QLA 01-1-11c	B	RG 178 B/U	9016	max. cable dia 2,1 mm
16 QLA 01-2-11c	G	RG 174/U	9016	max. cable dia 2,9 mm

Bulkhead jack 50 Ω

Cable entry

SUHNER-Crimp

Mounting hole Ø 7,05 mm (counter sunk from rear) Panel thickness max. 4,5 mm

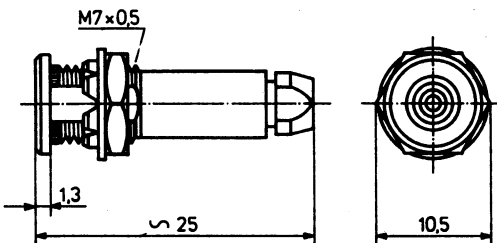


SUHNER Type	Suitable cables		Assembly instruction	Crimp insert
	Group	Example		
24 QLA 01-2-1c	E	RG 174/U	3089	A
24 QLA 01-2-4c	F	G 02232	3089	A

Cable entry

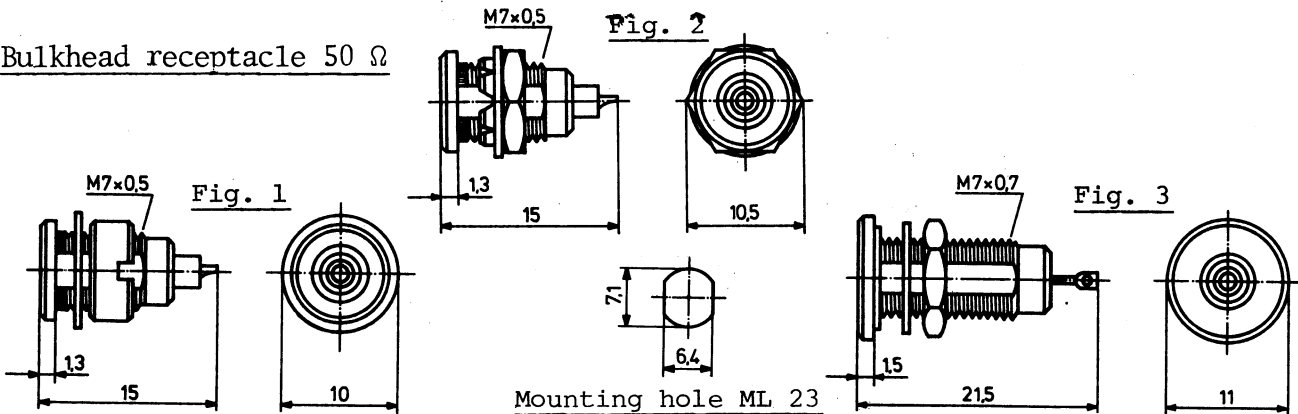
Clamp-Type

Mounting hole Ø 7,05 mm (counter sunk from rear) Panel thickness max. 4,5 mm



SUHNER Type	Suitable cables		Assembly instruction	Notes
	Group	Example		
24 QLA 01-1-11c	B	RG 178 B/U	9008	max. cable dia. 2,1 mm
24 QLA 01-2-11c	C	RG 174/U	9008	max. cable dia. 2,9 mm

Bulkhead receptacle 50 Ω



SUHNER Type	Figure	max. panel thickness	Mounting hole	Notes
22 QLA 01-0-1	1	5,5 mm	ML 23	
22 QLA 01-0-2	2	5,5 mm	Ø 7,05 mm	Counter sunk from rear
22 QLA 01-0-3	3	9,5 mm	ML 23	hermetic sealed

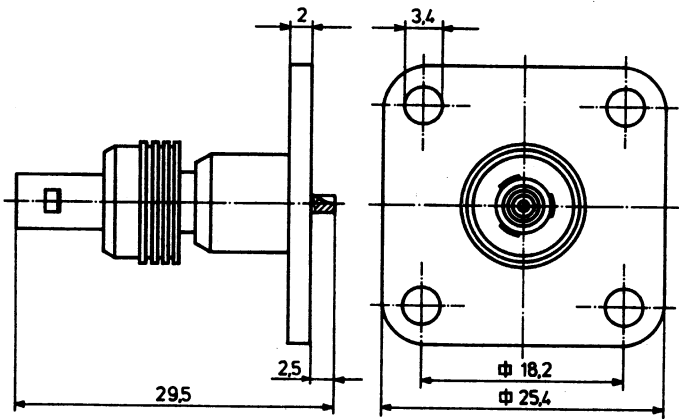
Mounting tool for nut of 22 QLA 01-0-1

74 Z 0-0-25

Panel plug 50 Ω

with 1" flange, suitable for use with
SUCOBX component container

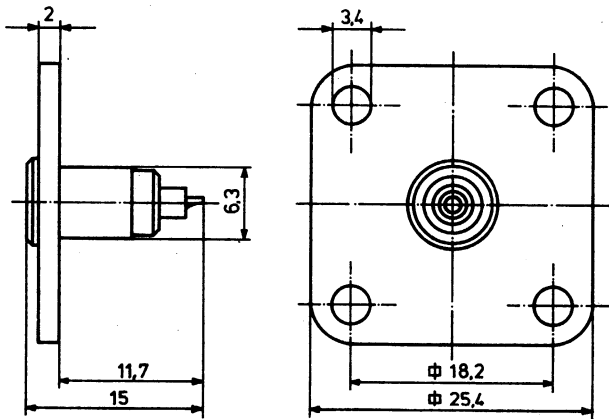
SUHNER Type
13 QLA 01-0-1



Panel receptacle 50 Ω

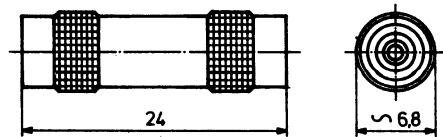
with 1" flange, suitable for use with
SUCOBX component container

SUHNER Type
23 QLA 01-0-1



Straight adaptors 50 Ω

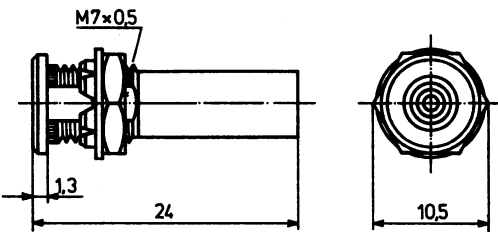
Female - female



<u>SUHNER Type</u>	<u>Notes</u>
<u>31 QLA 01-0-1</u>	<u>O-Ring 77 Z 0-0-13 included</u>

Single hole mounting

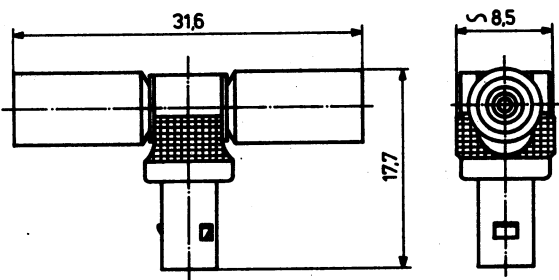
Female - female



SUHNER Type	Mounting hole	Panel thickness
34 QLA 01-0-2	Ø 7,05 mm counter sunk from rear	max. 5,0 mm

T - Adaptors 50 Ω

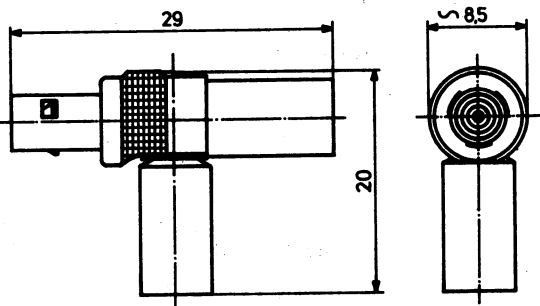
Female ▴ female
male



SUHNER Type	Notes
43 QLA 01-0-1	2 x O-Ring77 Z 0-0-13 included

assymmetric

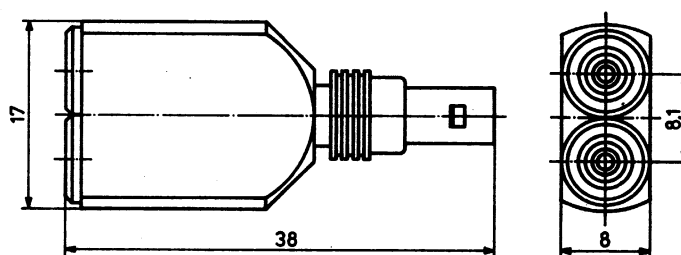
Female ▴ male
female



SUHNER Type
45 QLA 01-0-1

Y - Adaptor 50 Ω

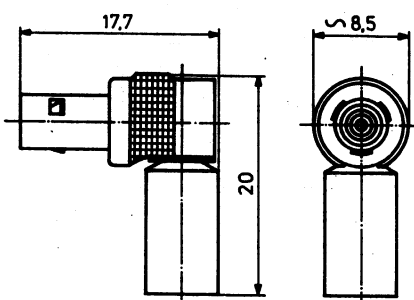
Female + female
male



SUHNER Type
43 QLA 01-0-11

L - Adaptor 50 Ω

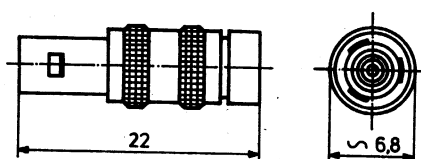
Male - female



SUHNER Type
53 QLA 01-0-1

Short circuit connector

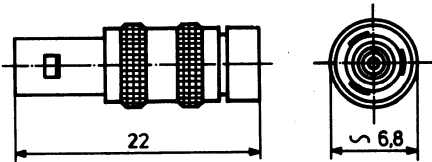
Plug



SUHNER Type	Frequency range
64 QLA 01-0-1	DC-1,4 GHz

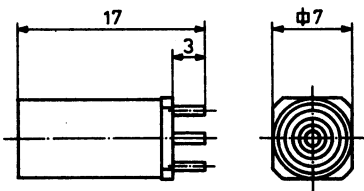
Termination 50 Ω, 100 Ω

Plug

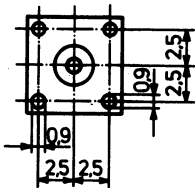


SUHNER Type	Frequency range	Impedance	VSWR			Power rating
			0,5 GHz	1,0 GHz	1,4 GHz	
65 QLA 01-0-1	DC-1,4 GHz	50 Ω± 1%	1,05	1,1	1,2	0,5 Watts
65 QLA 01-0-2	DC-1,4 GHz	100 Ω± 1%				0,5 Watts

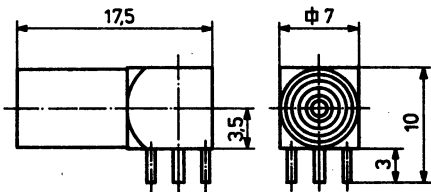
Receptacle for PC-Board, straight 50 Ω



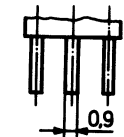
SUHNER Type	Notes
82 QLA 01-0-2	for grid distance a 2,5 mm or 0,1"



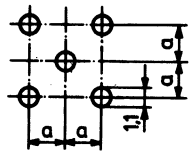
Receptacle for PC-Board, angled 50 Ω



SUHNER Type	Notes
85 QLA 01-0-2	for grid distance a 2,5 mm or 0,1"

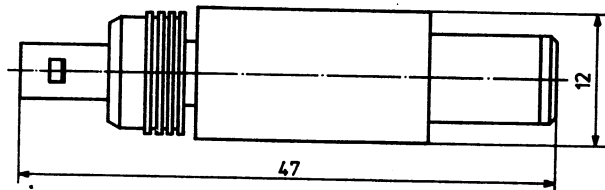


Print-Aufnahmebohrung



Attenuators 50 Ω

Male - female



SUHNER Type	Attenuation ²	Accuracy		VSWR		Power rating ¹
		0,5 GHz	1,0 GHz	0,5 GHz	1,0 GHz	
6903.29.A	3 dB	$\pm 0,2$	$\pm 0,4$	$\leq 1,1$	$\leq 1,2$	1,0 Watts
6906.29.A	6 dB	$\pm 0,2$	$\pm 0,4$	$\leq 1,1$	$\leq 1,2$	1,0 Watts
6910.29.A	10 dB	$\pm 0,2$	$\pm 0,4$	$\leq 1,1$	$\leq 1,2$	0,5 Watts
6912.29.A	12 dB	$\pm 0,25$	$\pm 0,5$	$\leq 1,1$	$\leq 1,2$	0,5 Watts
6920.29.A	20 dB	$\pm 0,3$	$\pm 0,5$	$\leq 1,1$	$\leq 1,2$	0,5 Watts

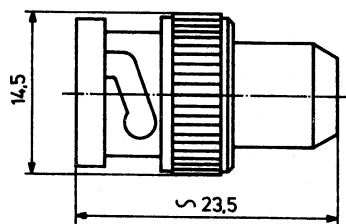
¹At maximum 50⁰ C ambient temperature, derated linearly to 0 Watt at 130⁰ C ambient temperature.

Temperature stability < 0,0001 dB/dB ⁰C

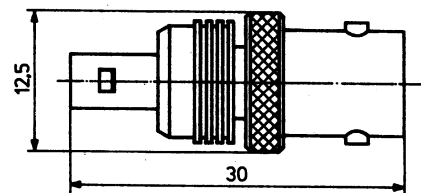
Power stability < 0,01 dB/dB W

²Other attenuation values available upon request.

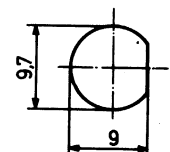
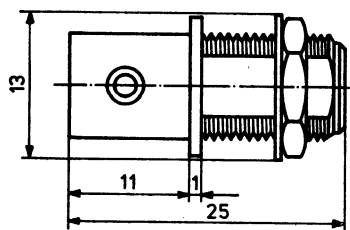
Between series adaptors 50 Ω



SUHNER Type	Notes
33 BNC-QLA 01-1	BNC male QLA female

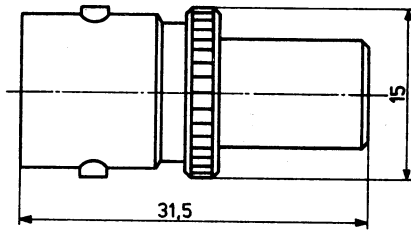


SUHNER Type	Notes
33 QLA-BNC 01-1	QLA male BNC female

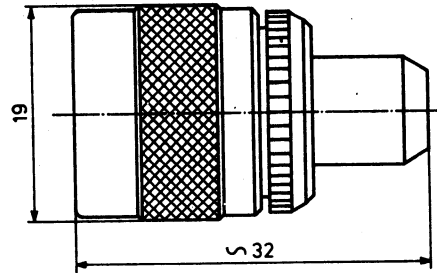


Mounting hole ML 2

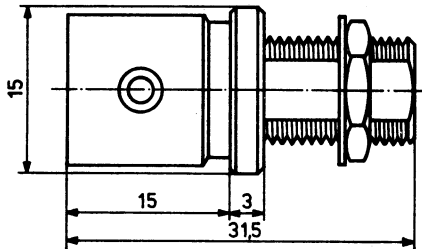
SUHNER Type	Notes	Mounting hole	max. panel thickness
34 BNC-QLA 01-1	BNC female QLA female	ML 2	5,0 mm



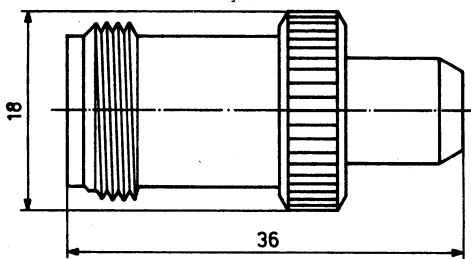
SUHNER Type	Notes
31 C-QLA 01-1	C female QLA female



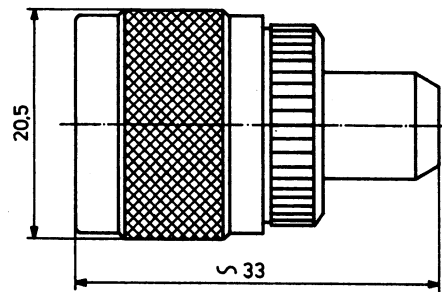
SUHNER Type	Notes
33 C-QLA 01-1	C male QLA female



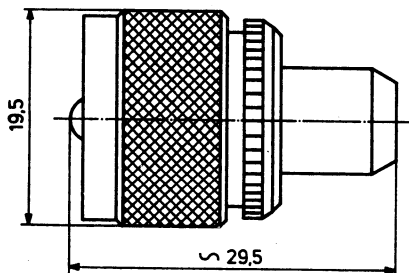
SUHNER Type	Notes	Mounting hole	max. panel thickness
34 C-QLA 01-1	C female QLA female	ML 2	10,0 mm



SUHNER Type	Notes
31 N-QLA 01-1	N female QLA female



SUHNER Type	Notes
33 N-QLA 01-1	N male QLA female

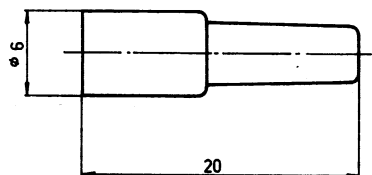


SUHNER Type	Notes
33 UHF-QLA 01-1	UHF male QLA female

Taper sleeves

For all connectors with

SUHNER Full-Crimp or
SUHNER-Crimp cable entry.



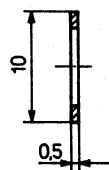
Colour	Cable group A	Cable group E	Cable group F
black	78 Z 0-1-1	78 Z 0-2-1	78 Z 0-2-3
brown	78 Z 1-1-1	78 Z 1-2-1	78 Z 1-2-3
red	78 Z 2-1-1	78 Z 2-2-1	78 Z 2-2-3
orange	78 Z 3-1-1	78 Z 3-2-1	78 Z 3-2-3
yellow	78 Z 4-1-1	78 Z 4-2-1	78 Z 4-2-3
green	78 Z 5-1-1	78 Z 5-2-1	78 Z 5-2-3
blue	78 Z 6-1-1	78 Z 6-2-1	78 Z 6-2-3
violet	78 Z 7-1-1	78 Z 7-2-1	78 Z 7-2-3
grey	78 Z 8-1-1	78 Z 8-2-1	78 Z 8-2-3
white	78 Z 9-1-1	78 Z 9-2-1	78 Z 9-2-3

Mounting tool for tapered sleeves

74 Z 0-2-1

Coloured rings

Used for colour coding of all
bulkhead mounted QLA connectors
(22/24/34 QLA 01...)

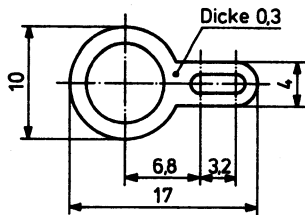


Colour	Type
black	73 Z 0-0-18
brown	73 Z 1-0-18
red	73 Z 2-0-18
orange	73 Z 3-0-18
yellow	73 Z 4-0-18

Colour	Type
green	73 Z 5-0-18
blue	73 Z 6-0-18
violet	73 Z 7-0-18
grey	73 Z 8-0-18
white	73 Z 9-0-18

Solder lugs

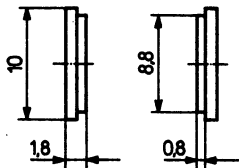
For all bulkhead
mounted connectors



SUHNER-Type
72 Z 0-0-8

Insulating washers

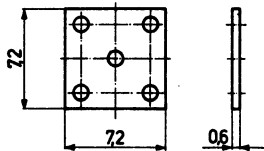
For all bulkhead
mounted connectors



SUHNER-Type	Notes
77 Z 0-0-14	1 pair

Insulating plate for PC-Board

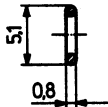
For all PC-Board
connector types



SUHNER-Type
77 Z 0-0-8

Moisture sealing gasket

O-ring seal, can be
mounted on all female connectors



SUHNER-Type
74 Z 0-0-26

Mounting tool for moisture sealing gasket

74 Z 0-0-26

0.6D.5e

CROSS REFERENCE LIST

LEMO connectors size / to SUHNER series QLA/QLM

<u>SUHNER code</u>	<u>Lemo code</u>	<u>Notes</u>
11 QLA-11-2-2c	F 0250 TE.AG. 2,7	Collet for diameter of cable sheath 2,2 to 2,7 mm
11 QLA-11-2-4c	F 0250 TE.AG. 3,2	Collet for diameter of cable sheath 2,7 to 3,2
11 QLA-11-3-1c	No Lemo type	Crimp connector
11 QLA-11-3-2c	No Lemo type	Crimp connector (center contact soldered)
11 QLA-11-3-3c	No Lemo type	Crimp connector
11 QLA-11-3-4c	F 0250 TE.AG. 4,2	Collet for diameter of cable sheath 3,7 to 4,2
11 QLA-11-3-6c	F 0250 TE.AG. 3,7	Collet for diameter of cable sheath 3,2 to 3,7
11 QLA-11-4-1c	No Lemo type	Crimp connector
11 QLA-11-4-3c	No Lemo type	Crimp connector
12 QLA-11-0-1	FA 0250 TE.	
16 QLA-11-2-2c	FL 0250 TE.AG. 2,7	Collet for diameter of cable sheath 2,2 to 2,7
16 QLA-11-2-4c	FL 0250 TE.AG. 3,2	Collet for diameter of cable sheath 2,7 to 3,2
16 QLA-11-3-1c	No Lemo type	Crimp connector (center contact soldered)
16 QLA-11-3-2c	No Lemo type	
16 QLA-11-3-3c	No Lemo type	Crimp connector (center contact soldered)
16 QLA-11-3-4c	FL 0250 TE.AG. 4,2	Collet for diameter of cable sheath 3,7 to 4,2
16 QLA-11-3-6c	FL 0250 TE.AG. 3,7	Collet for diameter of cable sheath 3,2 to 3,7
16 QLA-11-4-1c	No Lemo type	Crimp connector (center contact soldered)
16 QLA-11-4-3c	No Lemo type	Crimp connector (center contact soldered)
21 QLA-11-2-2c	RC 0250 TE.AG. 2,7	Collet for diameter of cable sheath 2,2 to 2,7
21 QLA-11-2-4c	RC 0250 TE.AG. 3,2	Collet for diameter of cable sheath 2,7 to 3,2
21 QLA-11-3-1c	No Lemo type	Crimp connector
21 QLA-11-3-2c	No Lemo type	
21 QLA-11-3-3c	No Lemo type	Crimp connector
21 QLA-11-3-4c	RC 0250 TE.AG. 4,2	Collet for diameter of cable sheath 3,7 to 4,2
21 QLA-11-3-6c	RC 0250 TE.AG. 3,7	Collet for diameter of cable sheath 3,2 to 3,7
21 QLA-11-4-1c	No Lemo type	Crimp connector
21 QLA-11-4-3c	No Lemo type	Crimp connector
22 QLA-11-0-1	RA 0250 TE.	
24 QLA-11-2-2c	RASC 0250 TE.AG. 2,7	Collet for diameter of cable sheath 2,2 to 2,7
24 QLA-11-2-4c	RASC 0250 TE.AG. 3,2	Collet for diameter of cable sheath 2,7 to 3,2
24 QLA-11-3-1c	No Lemo type	Crimp connector
24 QLA-11-3-2c	No Lemo type	
24 QLA-11-3-3c	No Lemo type	Crimp connector
24 QLA-11-3-4c	RASC 0250 TE.AG. 4,2	Collet for diameter of cable sheath 3,7 to 4,2
24 QLA-11-3-6c	RASC 0250 TE.AG. 3,7	Collet for diameter of cable sheath 3,2 to 3,7
24 QLA-11-4-1c	No Lemo type	Crimp connector
24 QLA-11-4-3c	No Lemo type	Crimp connector
31 QLA-11-0-1	RM 0250 TE.	
34 QLA-11-0-1	RAD 0250 TE.	
11 QLM-12-0-1c	F 0302 TE. NG. 3,9	Collet for diameter of cable sheath 3,4 to 3,9
11 QLM-12-0-2c	F 0302 TE. AGM. 4,5	Collet for diameter of cable sheath 4,0 to 4,5
12 QLM-12-0-1	FA 0302 TE.	
16 QLM-12-0-1c	FL 0302 TE. NG. 3,9	Collet for diameter of cable sheath 3,4 to 3,9
16 QLM-12-0-2c	FL 0302 TE. AGM. 4,5	Collet for diameter of cable sheath 4,0 to 4,5
21 QLM-12-0-1c	RC 0302 TE. NG. 3,9	Collet for diameter of cable sheath 3,4 to 3,9
21 QLM-12-0-2c	RC 0302 TE. AGM. 4,5	Collet for diameter of cable sheath 4,0 to 4,5
22 QLM-12-0-1	RA 0302 TE.	
24 QLM-12-0-1c	RASC 0302 TE. NG. 3,9	Collet for diameter of cable sheath 3,4 to 3,9
24 QLM-12-0-2c	RASC 0302 TE. AGM. 4,5	Collet for diameter of cable sheath 4,0 to 4,5
31 QLM-12-0-1	RM 0302 TE.	
34 QLM-12-0-1	RAD 0302 TE.	
11 QLM-13-0-1c	F 0303 TE. NG. 3,9	Collet for diameter of cable seath 3,4 to 3,9
11 QLM-13-0-2c	F 0303 TE. AGM. 5,0	Collet for diameter of cable seath 4,5 to 5,0
12 QLM-13-0-1	FA 0303 TE.	
16 QLM-13-0-1c	FL 0303 TE. NG. 3,9	Collet for diameter of cable seath 3,4 to 3,9
16 QLM-13-0-2c	FL 0303 TE. AGM. 5,0	Collet for diameter of cable seath 4,5 to 5,0

<u>SUHNER code</u>	<u>Lemo code</u>	<u>Notes</u>
21 QLM-13-0-1c	RC 0303 TE.NG. 3,9	Collet for diameter of cable seath 3,4 to 3,9
21 QLM-13-0-2c	RC 0303 TE.AGM. 5,0	Collet for diameter of cable seath 4,5 to 5,0
22 QLM-13-0-1	RA 0303 TE.	
24 QLM-13-0-1c	RASC 0303 TE.NG. 3,9	Collet for diameter of cable seath 3,4 to 3,9
24 QLM-13-0-2c	RASC 0303 TE.AGM. 5,0	Collet for diameter of cable seath 4,5 to 5,0
31 QLM-13-0-1	RM 0303 TE.	
34 QLM-13-0-1	RAD 0303 TE.	
11 QLM-14-0-1c	F 0304 TE.NG. 4,1	Collet for diameter of cable seath 3,6 to 4,1
11 QLM-14-0-2c	F 0304 TE.AGM. 4,5	Collet for diameter of cable seath 4,0 to 4,5
12 QLM-14-0-1	FA 0304 TE.	
16 QLM-14-0-1c	FL 0304 TE.NG. 4,1	Collet for diameter of cable seath 3,6 to 4,1
16 QLM-14-0-2c	FL 0304 TE.AGM. 4,5	Collet for diameter of cable seath 4,0 to 4,5
21 QLM-14-0-1c	RC 0304 TE.NG. 4,1	Collet for diameter of cable seath 3,6 to 4,1
21 QLM-14-0-2c	RC 0304 TE.AGM. 4,5	Collet for diameter of cable seath 4,0 to 4,5
22 QLM-14-0-1	RA 0304 TE.	
24 QLM-14-0-1c	RASC 0304 TE.NG. 4,1	Collet for diameter of cable seath 3,6 to 4,1
24 QLM-14-0-2c	RASC 0304 TE.AGM. 4,5	Collet for diameter of cable seath 4,0 to 4,5
31 QLM-14-0-1	RM 0304 TE.	
34 QLM-14-0-1	RAD 0304 TE.	

March 1979
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