

## Waterproof EMP Protectors

For systems which have to be more than splash proof, we recommend the use of the following specially developed waterproof protectors. Please note these protectors are only waterproofed when connected with suitable mating connectors. The surge arrester capsule holder is secured by means of a chain to the main body of the device.

### Environmental conditions:

Operating temperature range:	- 40 ... + 100 ° C
Min. air pressure during operation including 73 Z 0-0-54:	5 kPa (50 mbar)
Tests:	Vibration: MIL-STD-202, Method 204, Condition D, 20 g, 10-2000 Hz
	Moisture resistance: MIL-STD-202, Method 106 D, 10 cycles
	Temperature cycling: MIL-STD-202, Method 107 B
	Low pressure: SUHNER, 66.6 Pa (0.66 mbar)
	Waterproof: VG 95 332 page 12 degree 6

### Connectors:

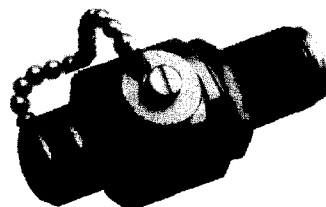
BNC



3401.01.F

SUHNER TYPE	Connectors	Imp. (Ω)	Frequency (MHz)	VSWR	Ins. Loss (dB)/typ.	Weight (g)	Panel thickness (mm)	MH	V-groove	Fig.
3401.01.F	BNC neg.-neg.	50	DC-300 300-1000	≤ 1.1 ≤ 1.25	≤ 0.1 ≤ 0.1	78	8.0	12	-210	23

N



3401.17.K

SUHNER TYPE	Connectors	Imp. (Ω)	Frequency (MHz)	VSWR	Ins. Loss (dB)/typ.	Weight (g)	Panel thickness (mm)	MH	V-groove	Fig.
3401.17.K	N neg.-neg.	50	DC-1000	≤ 1.2	≤ 0.1	95	6.5	12	-210	24

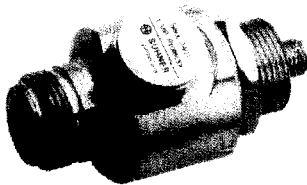
Drawings corresponding with "Fig." and "MH" see pages 37 - 40.

# SERIES 3401

# WATERPROOF UNITS

## Connectors

### N-SMA

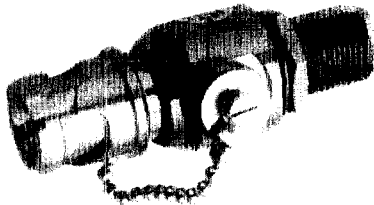


3401.00.E

SUHNER TYPE	Connectors	Imp. ( $\Omega$ )	Frequency (MHz)	VSWR	Ins. Loss (dB)/typ.	Weight (g)	Panel thickness (mm)	MH	V-groove	Fig.
3401.00.E*	N-SMA neg.-neg.	50	DC-1000	$\leq 1.2$	$\leq 0.2$	95	6.5	24	-213	25

\* - surge arrester capsule holder without chain  
 - SMA connector hermetically sealed version

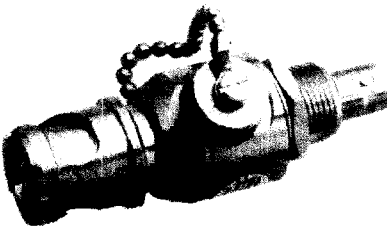
### N - 4/11



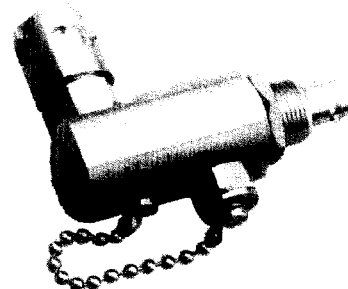
3401.00.F

SUHNER TYPE	Connectors	Imp. ( $\Omega$ )	Frequency (MHz)	VSWR	Ins. Loss (dB)/typ.	Weight (g)	Panel thickness (mm)	MH	V-groove	Fig.
3401.00.F	4/11 - N neg.-neg.	50	DC-1000	$\leq 1.2$	$\leq 0.1$	85	6.5	12	-210	26

### BNC - 4/11



3401.00.G



3401.00.M

SUHNER TYPE	Connectors	Imp. ( $\Omega$ )	Frequency (MHz)	VSWR	Ins. Loss (dB)/typ.	Weight (g)	Panel thickness (mm)	MH	V-groove	Fig.
3401.00.G	4/11-BNC neg.-neg.	50	DC-1000	$\leq 1.12$	$\leq 0.1$	80	8.0	12	-210	27
3401.00.M	4/11-BNC neg.-neg.	50	DC-300 300-1000	$\leq 1.12$ $\leq 1.25$	$\leq 0.1$ $\leq 0.1$	200	6.5	12	-213	28

Drawings corresponding with "Fig." and "MH" see pages 37 - 40.