

ARTICULATED LINE || BN 533647Cxxxx



Version plug / plug

Versions:

- plug / plug
- plug / socket
- socket / socket

Radio frequency characteristics of articulated line

Interface type	2.92 mm per IEEE Std 287
Frequency range	DC to 40 GHz
Impedance	50 Ω
Return loss, min.	26 dB @ DC to 4 GHz 15 dB @ 4 to 18 GHz 12 dB @ 18 to 26.5 GHz 10 dB @ 26.5 to 40 GHz
Phase stability of S ₁₁ and/or S ₂₂ (at any movement)	± 1.5 deg. @ DC to 18 GHz ± 2.0 deg. @ 18 to 26.5 GHz ± 2.5 deg. @ 26.5 to 40 GHz
Amplitude stability of S ₁₁ and/or S ₂₂ (at any movement)	± 0.05 dB @ DC to 26.5 GHz ± 0.10 dB @ 26.5 to 40 GHz
Insertion loss, max.	2.3 dB @ DC to 18 GHz 3.0 dB @ 18 to 26.5 GHz 4.0 dB @ 26.5 to 40 GHz
Power rating, max.	2.5 W

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Radio frequency characteristics of port saver

Interface type	2.92 mm plug / socket per IEEE Std 287
Frequency range	DC to 40 GHz
Impedance	50 Ω
Return loss, min.	33 dB @ DC to 4 GHz 30 dB @ 4 to 26.5 GHz 25 dB @ 26.5 to 40 GHz

Mechanical characteristics

Center conductor material / surface finish	CuBe age hardened, CuBe, copper alloy / gold-plated
Outer conductor material / surface finish	CuBe age hardened, CuBe, copper alloy / gold-plated
Insulation	PEI, PS
Other metallic parts / surface finish	CuBe / CuSnZn-plated copper alloy / gold-plated copper-nickel alloy stainless steel
Typical flex cycles	1.000.000
Weight articulated line, approx.	0.3 kg
Weight port saver, approx.	0.01 kg

Environmental conditions

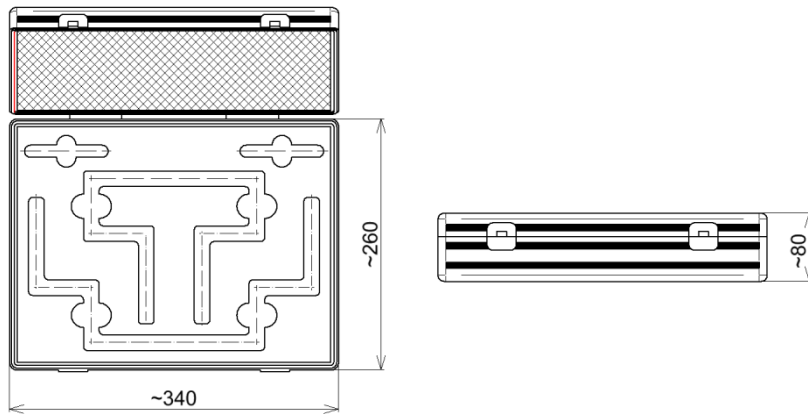
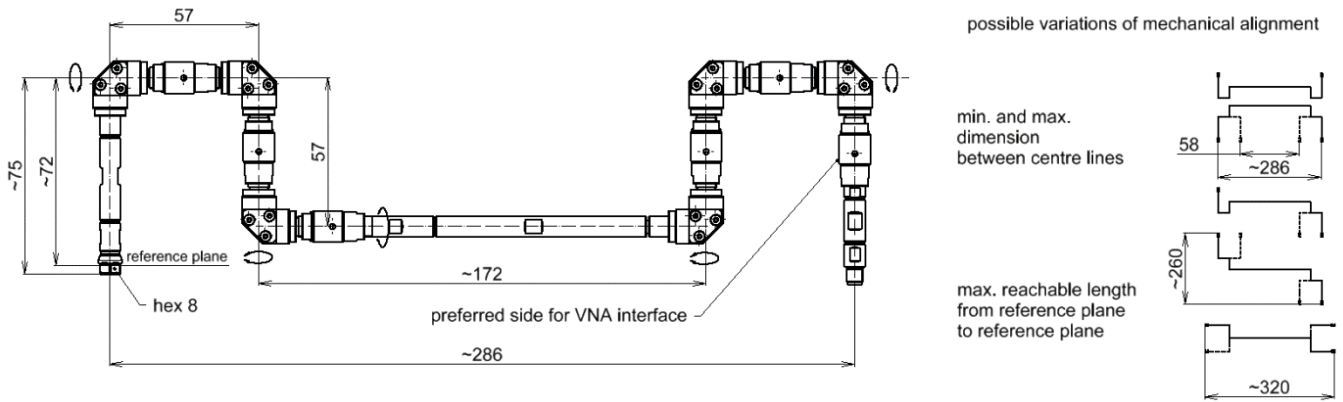
Temperature range	-55 to +85°C
Relative humidity, max.	95% (non-condensing)

Scope of delivery and accessories

Scope of delivery	storage case, data sheet, handling instructions available configurations see Table 1)
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Outline (all dimensions in millimeter)



Available configurations:

Table 1)

Connector size	Line 1 gender combination	Line 2 gender combination	Port Saver 1 gender combination	Port Saver 2 gender combination	Order number
2.92 mm	(m)/(m)	-	(m)/(f)	-	533647C1010
2.92 mm	(m)/(m)	(m)/(m)	(m)/(f)	(m)/(f)	533647C1111
2.92 mm	(m)/(f)	-	(m)/(f)	-	533647C2010
2.92 mm	(m)/(f)	(m)/(f)	(m)/(f)	(m)/(f)	533647C2211
2.92 mm	(f)/(f)	-	(m)/(f)	-	533647C3010
2.92 mm	(f)/(f)	(f)/(f)	(m)/(f)	(m)/(f)	533647C3311

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