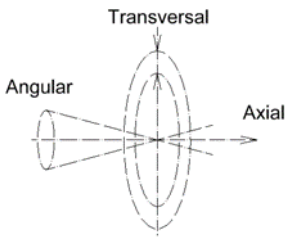




General technical data		
Frequency range	DC to 6 GHz	
VSWR, max.	1.02 @ DC to 2 GHz	1.06 @ 2 to 6 GHz
Intermodulation (IM3) 2x20 W max.	-162 dBc (for first 5,000 ¹⁾ matings ²⁾	
Ambient temperature range	+5 °C to +40 °C (indoor)	
Misalignment corrections ³⁾		
Transversal	±2 mm	
Axial	6 mm	
Angular	±1.5°	
Contact force during measurement, approx.	80 N (at stroke 2 mm)	
Required stroke during measurement	1.5 mm to 6 mm	
Latching	non-locking	
Matings	10,000 ¹⁾	
Inner conductor material / surface finish	CuBe age hardened / gold plated copper alloy / gold plated CuBe / silver plated copper alloy / silver plated	
Outer conductor material / surface finish	copper alloy / gold plated copper alloy / silver plated CuBe / silver plated	
Other metal parts / surface finish	copper alloy / CuSnZn plated stainless steel / untreated copper alloy / nickel plated	
Insulation	LCP cross linked polystyrene PTFE	

1) In order to ensure best possible measurement result, cleaning has to be assessed and executed by professional staff on a regular basis.

2) EasyDock is only released for IM measurement if interfaces on both ends are either 7-16 or 4.3-10

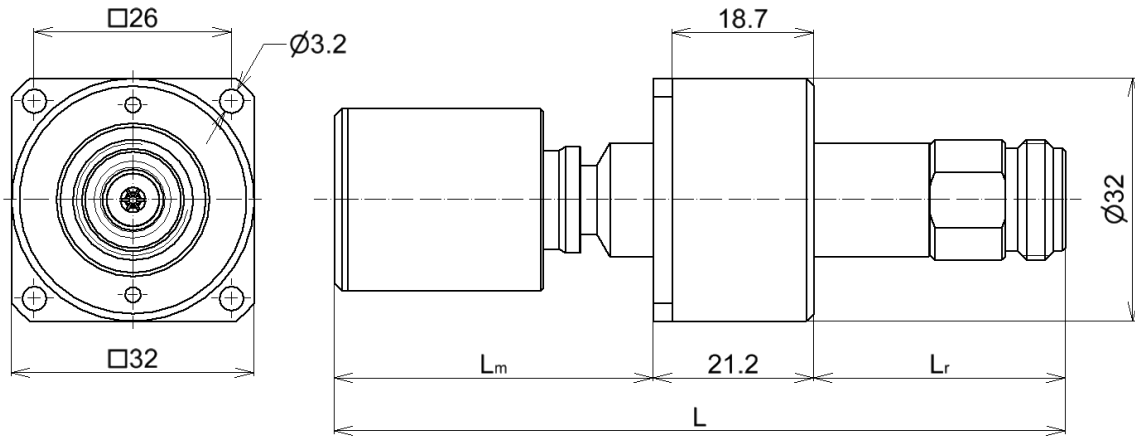
3) Values for misalignments might vary in case multiple misalignments have to be adjusted at the same time.

Sales article numbers				
Coaxial adapter EasyDock non-locking	Measurement interface	Rear interface	Mounting	Extra features
CAEN	X	Z	X	-Z
7-16 male push-pull 4.3-10 male push-pull N male push-pull	7MP 43MP NMP			Blank if not applicable
7-16 female 4.3-10 female N female		7F 43F NF		
Bulk head Panel four hole			B P	
Screening effectiveness (only for 7-16 measurement interface)				S

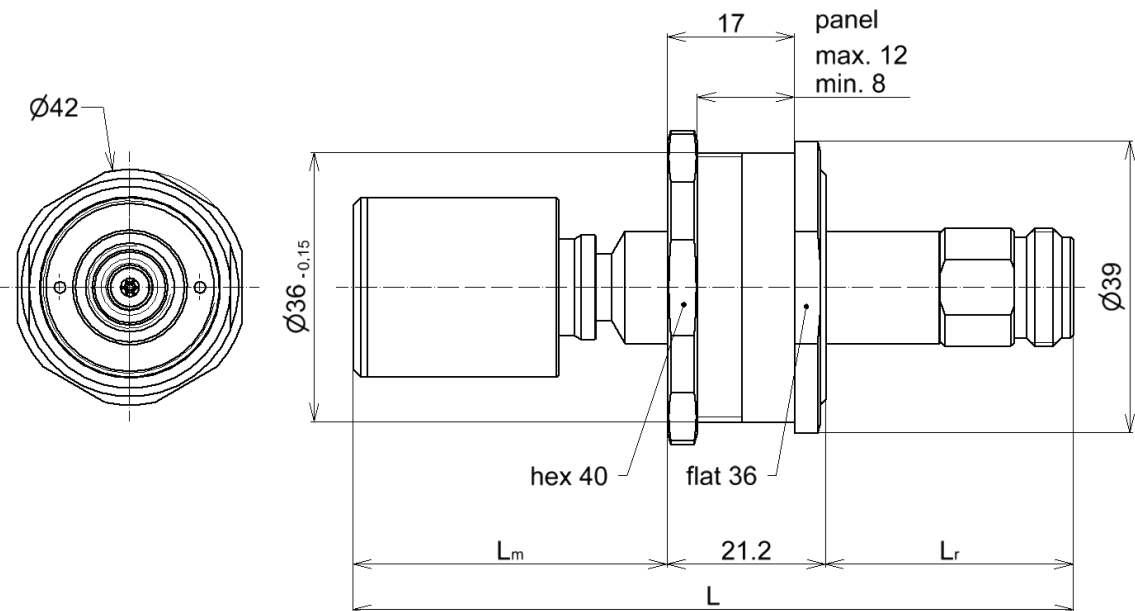
Examples:
 CAEN-7MP-43F-B-S (Coaxial adapter EasyDock non-locking, 7-16 male push-pull, 4.3-10 female, bulk head, screening effectiveness)
 CAEN-NMP-NF-P (Coaxial adapter EasyDock non-locking, N male push-pull, N female, panel four hole)

Panel mounting dimensions

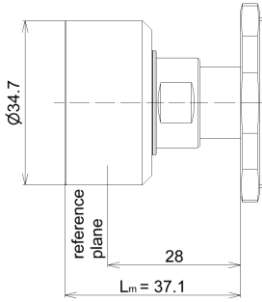
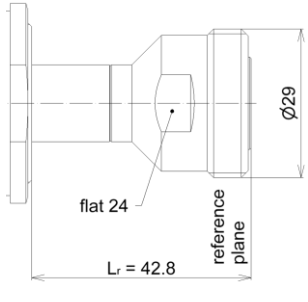
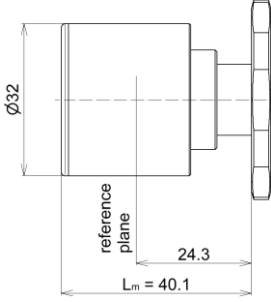
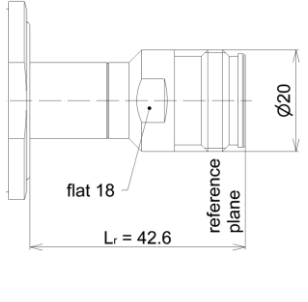
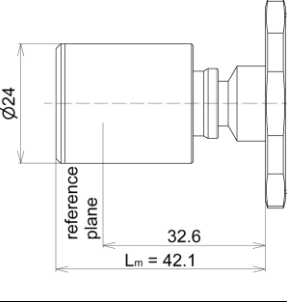
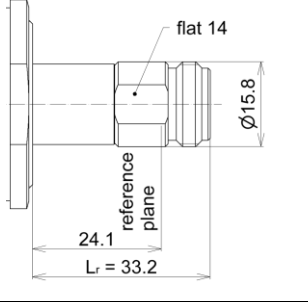
Panel four hole



Bulkhead



All dimensions in millimeter
 Calculation of total length:
 $L = 21.2 + L_m$ (length of measurement interface) + L_r (length of rear interface)

Connector variants		
	Measurement interface	Rear interface
7-16 (50 Ω) per IEC 61169-4	 <p>Technical drawing of the measurement interface for the 7MP connector. It shows a cylindrical body with a diameter of $\varnothing 34.7$. A reference plane is indicated at a distance of 28 from the front face. The total length L_m is 37.1.</p>	 <p>Technical drawing of the rear interface for the 7F connector. It shows a cylindrical body with a diameter of $\varnothing 29$. A reference plane is indicated at a distance of 42.8 from the front face. A flat of 24 is shown on the front face.</p>
	7MP	7F
4.3-10 (50 Ω) per IEC 61169-54	 <p>Technical drawing of the measurement interface for the 43MP connector. It shows a cylindrical body with a diameter of $\varnothing 32$. A reference plane is indicated at a distance of 24.3 from the front face. The total length L_m is 40.1.</p>	 <p>Technical drawing of the rear interface for the 43F connector. It shows a cylindrical body with a diameter of $\varnothing 20$. A reference plane is indicated at a distance of 42.6 from the front face. A flat of 18 is shown on the front face.</p>
	43MP	43F
N (50 Ω) per IEC 61169-16	 <p>Technical drawing of the measurement interface for the NMP connector. It shows a cylindrical body with a diameter of $\varnothing 24$. A reference plane is indicated at a distance of 32.6 from the front face. The total length L_m is 42.1.</p>	 <p>Technical drawing of the rear interface for the NF connector. It shows a cylindrical body with a diameter of $\varnothing 15.8$. A reference plane is indicated at a distance of 24.1 from the front face. A flat of 14 is shown on the front face. The total length L_r is 33.2.</p>
	NMP	NF