Fiber Cable Receivers

High-Power Beam Delivery

An accurate and safe fiber cable receiver is critical for termination of a high-power fiber optic cable. The different Coherent fiber cable receiver assemblies are easy to integrate due to small outer dimensions and simple mechanical interfaces. The receiver locks the fiber optic cable in place and close the fiber safety interlock circuit. The integrated conical interface guarantees a plug and play termination for the fiber optic cable.

FEATURES & BENEFITS

- Safe locking mechanism
- Fiber interlock termination
- Compact dimensions
- Built-in temperature switch
- Plug-and-play

APPLICATIONS

- Welding
- Cutting
- Surface Treatment
- Cladding
- 3D Additive Manufacturing

COHERENT®

Superior Reliability & Performance

SPECIFICATIONS	Fiber Connector Mount	Bayonet
Fiber Cable Side	Output	Input and Output
Interlock Termination	Short-circuit incl. thermoswitch	Free/short-circuit wires
Thermoswitch	Yes, 70°C ±5°C, reset temp >30°C	No
DIMENSIONS & WEIGHT		
Dimensions	See page 3	See page 4
Weight (kg)	2-9626X01: 0.2 1-9398X01: 0.3	1-9308X01: 0.4 1-9416X01/02: 0.4 1-9087X01/02: 0.2
ENVIRONMENTAL CONDITIONS		
Humidity (% RH)	<80	
Operating Temperature (°C)	5 to 50	
Storage Temperature (°C)	-25 to 70	
COMPLIANCE INFORMATION		
RoHS	Directives 2011/65/EU and 2015/863/EU	
REACH	Directive EC no 1907/2006	

COHERENT.

MECHANICAL SPECIFICATIONS

QB Fiber Connector Mounts

1-9398X01

49.2 mm
(1.94 in.)

2 Step Locking

FEP = 0

Ø43

35.0 mm
(1.38 in.)

39.5 ±0.1 mm
(1.56 ±0.004 in.)

47.5 mm
(1.87 in.)

M30 x 0.75

Ø37 g7

FEP = Fiber End Plane

2-9626X01

49.2 mm
(1.94 in.)

Ø43

10.5 ±0.1 mm
(0.41 ±0.004 in.)

M3
(3 x 120)

O-ring
(24 x 2)

Ø24 ±0.05

2.2 mm
(0.09 in.)

4.8 mm $^{0.0}_{-0.1}$
(0.19 in.) $^{0.0}_{-0.004}$

0.5 x 45°

8.5 mm $^{0.0}_{-0.1}$
(0.33 in.) $^{0.0}_{-0.004}$

90°

Ø22.5

Ø26 f8
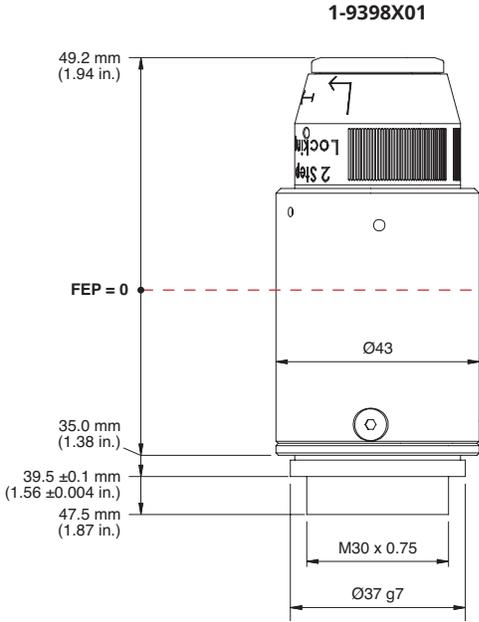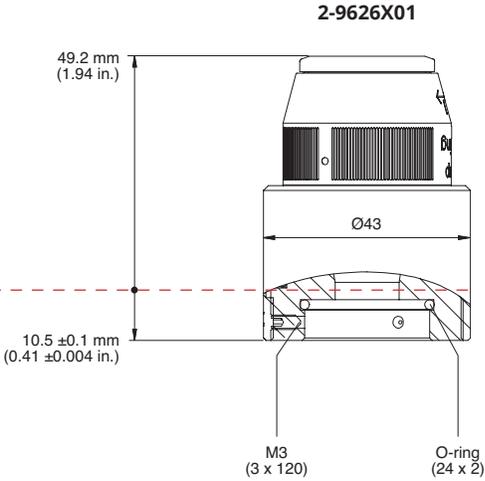
Male Interface, Short Version
(Customer Interface)

COHERENT
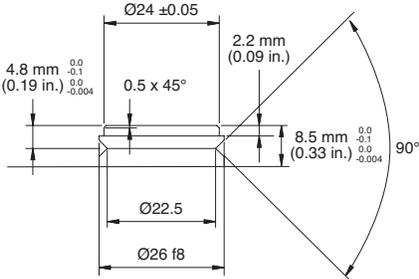
MECHANICAL SPECIFICATIONS

QB Bayonets

1-9416X01/02, 1-9308X01
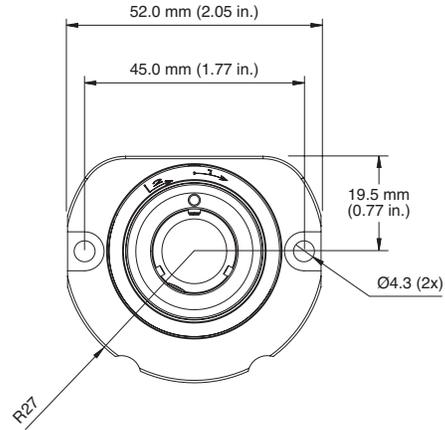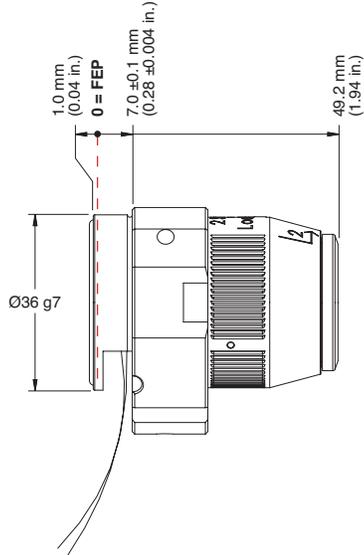
1-9087X01/02
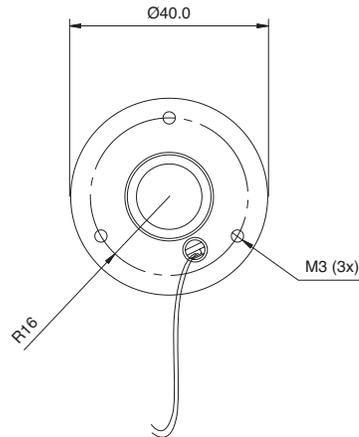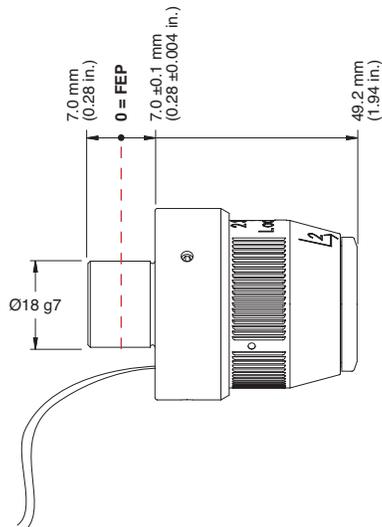
FEP = Fiber End Plane

Interlock Wires:
Free Cables [400 mm (15.75 in.)}
Short-Circuit [0 mm (0.0 in.)]

COHERENT.

PART NUMBERS

Fiber Cable Receivers

Product Description	Part Number
QB Fiber connector mount	1-9398X01
QB Fiber connector mount, short	2-9626X01
QB Bayonet, fiber input side	1-9308X01
QB Bayonet, fiber output side	1-9416X01
QB Bayonet, fiber output side, short-circuit	1-9416X02
QB Bayonet, fiber output side, compact	1-9087X01
QB Bayonet, fiber output side, compact, short-circuit	1-9087X02

Accessories

Accessory	Part Number
QB Bayonet plug, red	1397199

COHERENT.