

HYBRID SERIES CONNECTOR

Hybrid connectors integrate air lines, electrical connections and fluid lines into a single, compact connection point for remote tools on medical devices and equipment. Eliminating the potential for misconnecting tubing and wires, CPC's Hybrid Connector platform options reduce multiple connections and allow clinicians or patients to quickly and easily change or replace modular tools, umbilicals or hand pieces.

Large Format Hybrid Connector – Now available with four times the flow capacity, this connector features multiple dry-break couplings and easy-to-use twist latch for secure, repeatable connection of multiple lines.

SPECIFICATIONS

PRESSURE:

Vacuum to 45 psi, 3.1 bar

TEMPERATURE:

32°F to 120°F (0°C to 49°C)

MATERIALS:

Non-wetted coupler components:

Glass-filled polypropylene

Wetted coupler components: Glass-filled polypropylene

Springs: Stainless steel

Electrical contacts: Gold-plated copper alloy

O-rings: EPDM

Fluid tubing: Polyurethane (PU)

Umbilical tubing: PVC

COLOR: Gray

TERMINATIONS:

Panel: Two 1/8" (3.2mm) hose barbs on panel and four 20 ga wires with 12" (304.3mm) pigtail

Umbilical Hose: 8' (2.44M) umbilical with two 1/8" (3.2mm) ID PU tubing and four 20ga wires with 3" (76.2mm) pigtail

NUMBER OF FLUID LINES: 2

ELECTRICAL SPECIFICATIONS

Voltage: Up to 24VDC

Current: Up to 3 Amps

Wire gauge: 20AWG

Number of contacts: 4



FEATURES

Single connection point for pneumatic, fluid, and power connections between a device and its tool/hand piece

Non-spill shutoff valves with dry-break technology

Turnkey solution

Off-the-shelf assembly

Custom options available

BENEFITS

Makes systems data more user friendly

Eliminate fluid drips upon disconnect and minimize air inclusion

Reduces multiple components

Minimizes engineering design and manufacturing effort

Flexibility to add additional fluid connector or electrical contacts



cpcworldwide.com/Hybrid-connector

HYBRID SERIES DIMENSIONS

COUPLING HOSE - Polypropylene

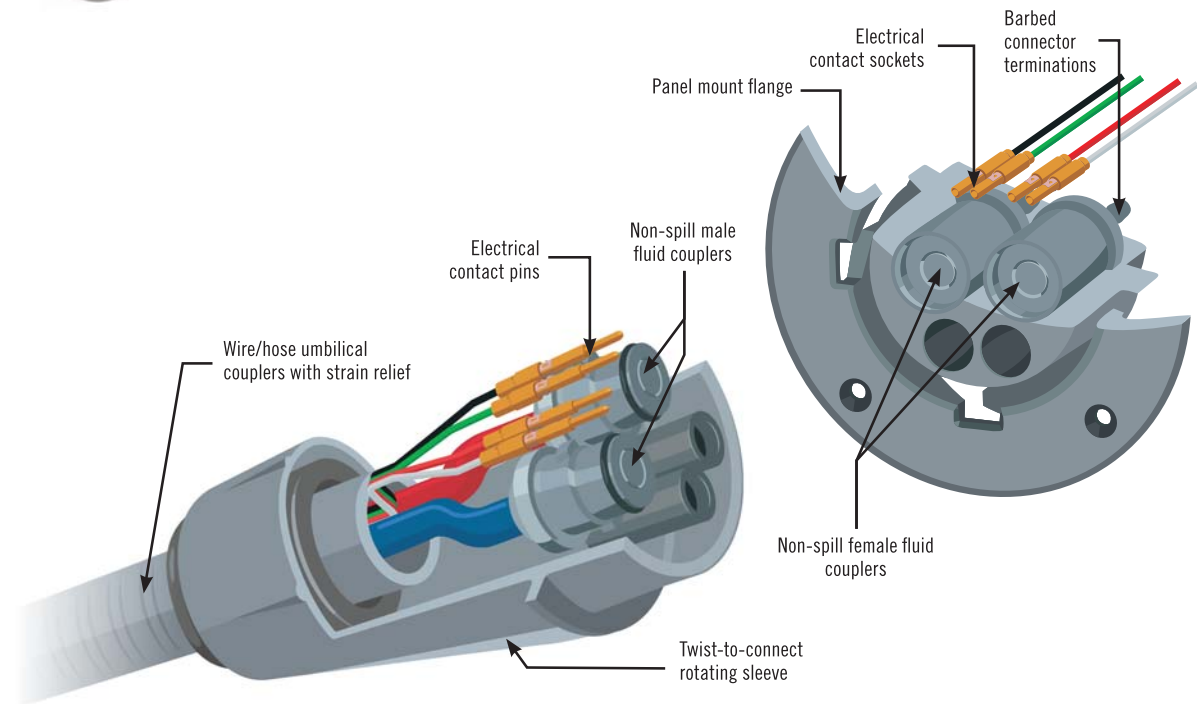


CONFIGURATION	FLOW PATHS	PART NO.	COLOR	A	B	C	D
HOSE	1/8" ID (3.2mm)	HQC17002	GREY	2 (50.8)	2.8 (71.1)	3 (76.2)	8 (203.2)

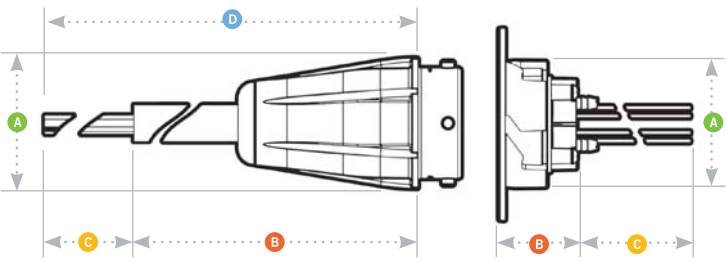
COUPLING PANEL - Polypropylene



CONFIGURATION	FLOW PATHS	PART NO.	COLOR	A	B	C
PANEL MOUNT	1/8" ID (3.2mm)	HQC42000	BLACK	1.96 (49.8)	1.12 (28.4)	12 (304.8)
	1/8" ID (3.2mm)	HQC42001	GREY	1.96 (49.8)	1.12 (28.4)	12 (304.8)

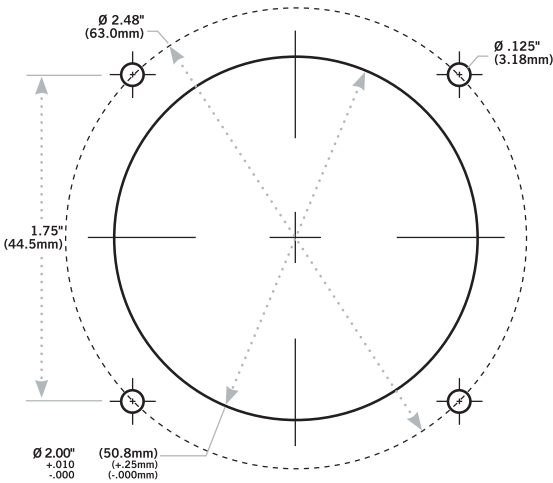


PRODUCT DIMENSIONS



A = Height/Diameter B = Total Length C = Pigtail D = Umbilical

PANEL DIMENSIONS



MINI HYBRID SERIES CONNECTOR

Mini Hybrid Connector – A compact, single connection point with a smaller form factor that is ideal for use in low-pressure applications where ease of use and ergonomics are important. This connector makes it easy to connect power, signal and gases in one simple motion.

SPECIFICATIONS

PRESSURE:

Vacuum to 25 psi, 1.7 bar

TEMPERATURE:

40°F to 80°F (4°C to 27°C)

MATERIALS:

External coupler components: PET

Air coupler components: Acetal

Springs: Stainless steel

Panel Mount Nut: Zinc-plated steel

Electrical contacts: Gold-plated copper alloy

O-rings: Buna-N

Air line: PVC

COLOR: Gray

EXTERNAL UMBILICAL HOSE:

4 feet (121 cm) PVC

WIRE: 22AWG PVC jacket

TERMINATIONS:

Panel: 1/16" hose barb and two 22AWG wires with 11" pigtail

Umbilical: 4' (121 cm) umbilical with one 1/16" ID PVC tube and two 22AWG wires with 6" pigtail

Number of air lines: 1

ELECTRICAL SPECIFICATIONS

Voltage: Up to 24VDC

Current: Up to 3 Amps

Wire: 22AWG with PVC jacket

Number of contacts: 2



SCAN

cpcworldwide.com/MiniHybrid

FEATURES

Easy-to-use breakaway design →

Small package design →

Streamlined exterior →

Proven design →

BENEFITS

Quick, automatic disconnect

Minimize device size

Clean, attractive appearance

Accelerate product development

MINI HYBRID SERIES DIMENSIONS

COUPLING HOSE - Acetal



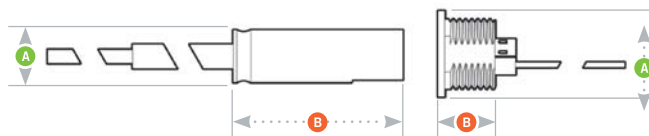
CONFIGURATION	FLOW PATHS	PART NO.	A	B
HOSE	1/16" ID (1.6mm)	MHQC17000	0.62 (15.7)	2 (50.8)

COUPLING PANEL - Acetal



CONFIGURATION	FLOW PATHS	PART NO.	A	B
PANEL MOUNT	1/16" ID (1.6mm)	MHQC42000	1 (25.4)	0.60 (15.2)

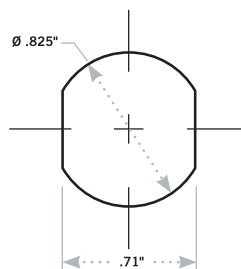
PRODUCT DIMENSIONS



A = Height/Diameter

B = Total Length

PANEL DIMENSIONS



iMAR SERIES



IdentiQuik® Multiple Antenna RF-enabled communicator (MAR)

provides a convenient and economical solution for avoiding misconnections in a multiline environment. Designed to handle up to eight fluid connections, the MAR eliminates larger, individual RF-enabled communicators, which reduces redundancy and complexity of system design. Like all IdentiQuik RF-enabled products, the MAR makes controlling, protecting and streamlining fluid handling processes easier and more efficient. The MAR is compatible with all PLC12 panel-mounted bodies and PLC12 Series RFID-enabled inserts.

FEATURES

- Palm-sized reader with one USB supporting up to eight fluid lines
- Transfer of fluid and information for each flow path
- Modular, detachable configurations per fluid line

BENEFITS

- Simplifies design integration by eliminating larger, individual RF-enabled communicators
- Identifies device types or connected media, verifies line connection and captures fluid and product data
- Meets specifications for cables, coupling type, length, size and environment

iMAR BODIES



TERMINATION	PART NO.	A	B	C
iMAR	iMAR8000	0.94 (23.9)	4 (101.6)	2.4 (61.0)

ANTENNA

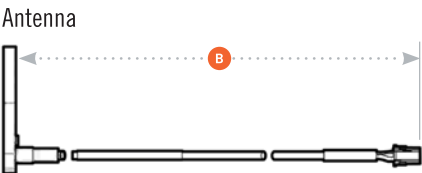
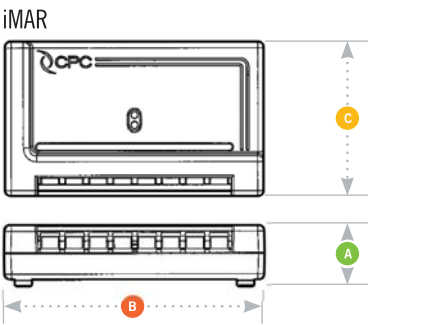


TERMINATION	PART NO.	A	B	C
ANTENNA	iANT10110		Cable: 39.37 inches (1.0 m)	
	iANT10410		Cable: 39.37 inches (1.0 m)	
	(set of 4)			

SPECIFICATIONS

- COLOR:**
MAR: Smoke gray plastic case
Antenna: Black
- INTERFACE:**
USB; connectorized cable included with antenna
- OPERATING VOLTAGE:**
5VDC
- POWER CONSUMPTION:**
1.2W maximum
- RF COMMUNICATION RANGE:**
Approximately 1"
- COMPLIANCE:**
RoHS, ISO 15693

PRODUCT DIMENSIONS



- A = Height
- B = Total Length
- C = Width

Panel / Cutout Footprint

