

# SignalPlex®

## Mini Port Junction Boxes

Factory tough,  
flexible cable  
consolidation.

### Product Description

SignalPlex Mini Port junction boxes are available in 4, 6, and 8 port models. Choose either hard wired with 15 ft. of cable or connectorized to mate with a user specified Mini-Quick cable assembly.

### Product Application

SignalPlex Mini Ports satisfy cable consolidation requirements when using Mini-Quick industrial circular connectors. Eliminate the need for multiple, long, cumbersome cable runs. Consolidate up to 8 Mini-Quick cables to one home run connection. Quick disconnect and diagnostic indicators help minimize downtime.



### Product Benefits

SignalPlex Mini Ports are constructed with highly engineered materials allowing Hubbell to achieve the most demanding mechanical and environmental UL listings. The compact, low profile design makes installation easy in hard to reach places. A black, dirt resistant finish blends into equipment tooling for a clean, professional look. The diagnostic LED indicators and circuit identification pads help to minimize control system troubleshooting time.



### Features

- UL listed.
- Copper alloy sockets with stainless steel sleeves.
- Impact resistant, black PVC enclosure.
- Side mount Mini-Quick® receptacles.
- Power and signal LED indicators.
- Highly visible circuit ID labels.

### Benefits

- Minimize downtime expense.
- Simplify troubleshooting.
- Consolidate multiple cable runs.
- Suitable for industrial wash down environments.






Connectorized



Corded

**Catalog Number\***

Female Output	(Connectorized) (15 ft. Cable)	Ports	Wiring**	LED
3 Wire 	<b>HMC341</b> <b>HMW34115</b>	4	Parallel	Yes
	<b>HMC361</b> <b>HMW36115</b>	6	Parallel	Yes
	<b>HMC381</b> <b>HMW38115</b>	8	Parallel	Yes
4 Wire 	<b>HMC441</b> <b>HMW44115</b>	4	Parallel	Yes
	<b>HMC461</b> <b>HMW46115</b>	6	Parallel	Yes
	<b>HMC481</b> <b>HMW48115</b>	8	Parallel	Yes
5 Wire 	<b>HMC542</b> <b>HMW54215</b>	4	Parallel	No
	<b>HMC544</b> <b>HMW54415</b>	4	Solenoid	No

\* For 3 and 4 Wire applications requiring greater than 120V AC/DC, substitute a "2" for the first "1" in the catalog number. For example, HMC341 becomes HMC342 or HMW34115 becomes HMW34215.

\*\* Additional wiring styles available, please consult factory.

### Mechanical Specifications

Housing Material	.Rigid PVC
Insulator	.Nylon 6/6, White
Contact Material	.Socket- copper alloy w/ stainless steel sleeve Pins - brass
Contact Plating	.Hard gold over palladium/nickel
Receptacle Shells	.Nickel plated brass
O-rings	.Nitrile rubber
Strain Relief	.Thermoplastic Elastomer
Receptacle Caps	.Nickel plated brass
LED Life Expectancy	.100,000 hours
Circuit ID Labels	.Adhesive Polyester
Cable	.#16 AWG, PVC insulated stranded copper conductors, black PVC jacket
Cable stranding	.65/34

### Electrical Specifications

Voltage Rating	.Units with LEDs: 120V AC/DC Max .Units w/o LEDs: 600V AC/DC Max
Amperage	.4 Port: 10A Total .6 Port: 9A Total .8 Port: 8A Total
Contact Resistance	.≤ 5m Ω
Isolation Resistance	.≥1000MΩ
Indicating LEDs	.Green - Power; Yellow - Signal/Function

### Environmental Specifications

Moisture Protection	.UL Types 4, 4X, 12 and 13, IP67
Operating Temperature	.-20°C to 85°C
Corrosion Resistance	.500 hours salt spray per MIL-STD-1344, Method 1001
Vibration Resistance	.10 - 2,000 Hz @ 15g per MIL-STD-1344, Method 2005

### Worldwide Locations

Hubbell Incorporated (Delaware) 185 Plains Road Milford, CT 06460-2420 (203) 882-4800 FAX (800) 255-1031 www.hubbell-wiring.com	Hubbell Canada Hubbell Ltd. England Hubbell-Taian Co., Ltd. Hubbell de Mexico, S.A. de C.V. Caribe Sales Agencies, Puerto Rico	(905) 839-1138 (441) 234-85444 (886) 2 567-5995 (52) 5 575-2022 (809) 720-7185	Fax (905) 839-9108 Fax (441) 234-854008 Fax (886) 2 567-4853 Fax (52) 5 559-8626 Fax (809) 789-2796
--	--	--	---

### Corded Version (15 ft. cable)

Port Catalog #	#16 AWG Cable
HMW34115	.571" (14.5)
HMW36115	.657" (16.7)
HMW38115	.706" (17.9)
HMW44115	.520" (13.2)
HMW46115	.571" (14.5)
HMW48115	.657" (16.7)
HMW54215	.657" (16.7)
HMW54415	.657" (16.7)

### Connectorized Version Ports Mating Cables

Port Catalog #	Suggested Mating Homerun Cable*
HMC341	HCMS07112
HMC361	HCMS09112
HMC381	HCMS12112
HMC441	HCMS06112
HMC461	HCMS09112
HMC481	HCMS10112
HMC542	HCMS10112
HMC544	HCMS10112

\* Additional lengths, body styles and coupling nut material also available.

### Certifications

UL	.UL 2238 and UL50, File No. E192071
CSA	.CSA Certified, C22.2 No. 182.3 and CSA C22.2 No. 94

For additional dimensional information and wiring diagrams, visit [www.hubbell-wiring.com/miniport.htm](http://www.hubbell-wiring.com/miniport.htm).

### Also from Hubbell...



#### Control Connectors

Mini-Quick®, Micro-Quick®, Nano-Quick® and Signal-Plex® products provide complete connectivity solutions. For more information on Hubbell Control Connectors visit our online catalog at [www.hubbellcatalog.com](http://www.hubbellcatalog.com).

