

SignalPlex™ Micro Ports Features and Benefits

Homerun Connections

Connectorized
Hard wired

Black Textured Finish

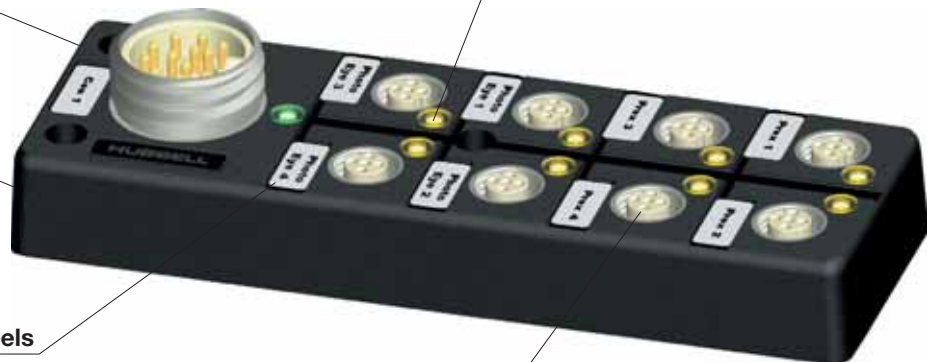
Resists dirt and residue
Clean appearance

Industrial Adhesive Circuit ID Labels

Easy to use and replace

LEDs on DC Style Ports

Maximum Visibility



Flush Receptacle Enclosure

Reduces installation height
Protects receptacle shells

Features

- Consistent mounting pattern between 4, 6 and 8 port enclosures.
- Hard gold over palladium/nickel contact plating.
- Beryllium copper socket contacts.
- Wiring diagram on back of enclosure.
- UL Listed product.
- Allows quick change over to increase or decrease the number of ports without having to drill new holes.

Benefits

- Durable plating for high mating cycles and extended contact life.
- Strong, resilient base metal ensures contacts maintain their shape and continuity over time.
- Wiring diagram is accessible even if instructions are lost.
- Third party certified for electrical, mechanical and environmental performance.

Material Specifications

Housing Materials	Rigid PVC	Strain Relief	Thermoplastic Elastomer
Micro-Quick Insulators	Nylon 6/6, White	Receptacle Caps	Nickel plated brass
Mini-Quick Insulator	Thermoplastic Elastomer, White	LED Life Expectancy	100,000 hours
Contact Materials	Pins - Brass	Circuit ID Labels	Adhesive Polyester
	Sockets - Beryllium copper	Cable	#18 AWG, PVC insulated stranded copper conductors, Black PVC jacket
Contact Plating	Hard gold over palladium/nickel	Cable Stranding	41/34
Receptacle Shell	Nickel plated brass		
O-ring	Nitrile rubber		

Electrical Specifications

Current Rating	(Dual Key, 3P/3W) 300V AC Max, 3A per individual port, 7A per unit
(Single Key, 5P/3W and 5P/4W)	10-30V DC, 3A per individual port, 7A per unit
Contact Resistance	≤ 5 mΩ
Isolation Resistance	≥ 1000 MΩ
Indicating LEDs	Green = Power, Yellow = Signal/Function
Current Limiting Resistor	2200 Ω

Environmental Specifications

Moisture Protection	UL Type 4, 4X, 12 and 13
Ingress Protection	IP67 Suitability
Operating Temperature	-20° to 85° C TPE Cable: -40°C to 105° 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

Certifications

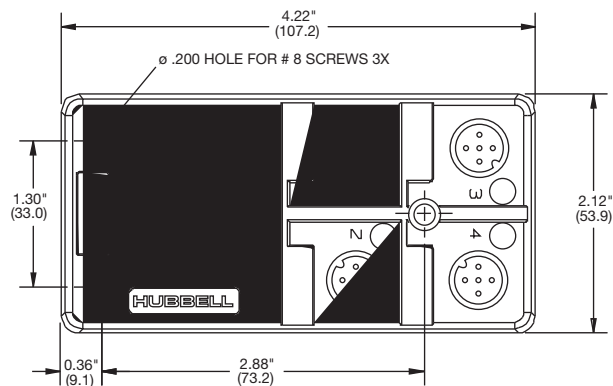
UL 2238 and UL50

CSA Certified, C22.2 No. 182.3 and CSA C22.2 No. 94

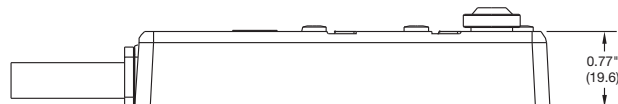
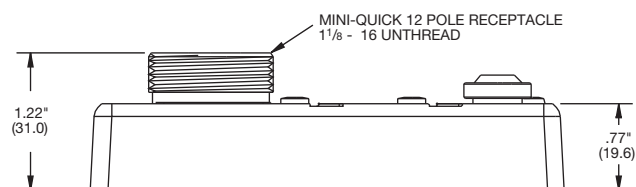
SignalPlex™ Micro Ports

4 Port Enclosures

Enclosure Dimensions

4 Port Front View*

* Hard wired and connectorized enclosures have same enclosure dimensions.

Profile Views**Connectorized****Hard Wired****Micro-Quick 4 Port Enclosures**

Connectorized with Mini-Quick Male Receptacle	Hard Wired with 5m Cable	Micro-Quick Female Receptacle Face View	Poles/Wires	Micro-Quick Circuit Style	Voltage Rating	LED Status
MMC342	MMW34205*		3P/3W	Dual Key	300V AC	No
MMC441 MMC445	MMW44105* MMW44505*		5P/3W	PNP NPN	10 - 30V DC	Yes
MMC541 MMC545	MMW54105* MMW54505*		5P/4W	PNP NPN	10 - 30V DC	Yes

* For additional cable lengths, consult factory.
Mating Mini-Quick cable assemblies are located on page G45.