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Modlink Panel Interface Connectors

Overview

Murrelektronik Modlink Panel Interface Connectors (PIC) allows you the ability to connect to controls such as a PLC or other control devices from outside a closed control cabinet without having to open the cabinet and potentially exposing live voltages. This can eliminate an unsafe environment or having to add additional arc flash protection requirements while working inside a control cabinet. The Modlink Panel Interface Connection system is a modular system that allows you to pick the frame, inserts and other options like the touch protection guard to create a custom data and power interface connection that meets your application needs.

Features

- Available in transparent, metallic, or gray for different machine designs
- Large variety of inserts allowing many possible combinations
- Covers have an integrated spring which makes it easy to tell if it has been left open
- Locking mechanism
- Identification tag on each insert

Agency Approvals

- UL Type Rating 1, 4, 4x, 12, 13
- IP65 protection outside
- IP20 inside with touch protection guard
- cULus, cURus
- CE



Modlink Panel Interface Connectors

Putting Modlink Panel Interface Connectors Together

STEP 1

Select the insert(s) to fit your application needs



STEP 2

Select the frame to fit one or two inserts

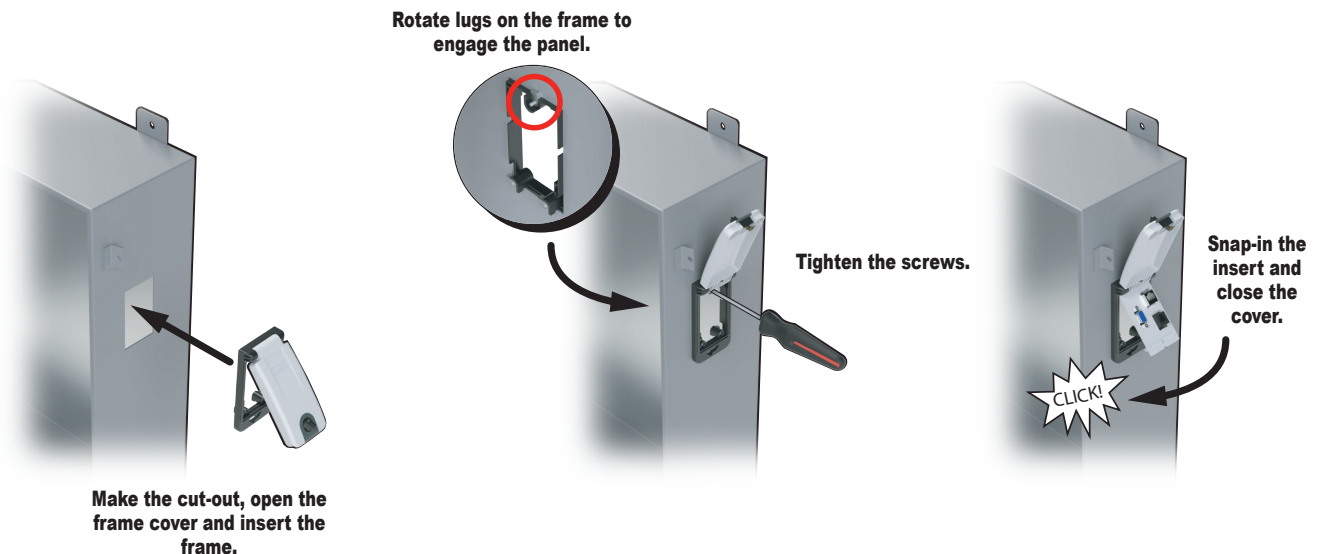


STEP 3

Add touch protection cover (optional)

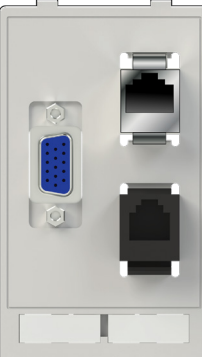
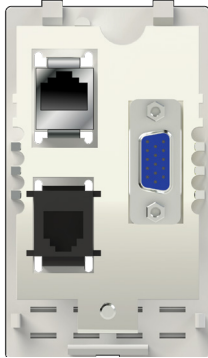
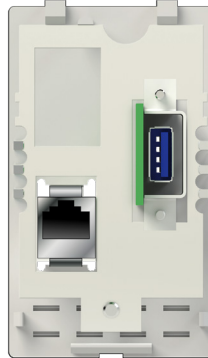


Installing Modlink Panel Interface Connectors is Easy



Modlink Panel Interface Connectors

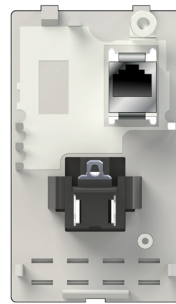
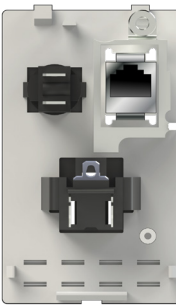
Modlink Panel Interface Connectors - Inserts

Modlink Panel Interface Connectors Inserts Selection Table							
Inserts							
Part Number	Price	Exterior Connections	Exterior Photo	Interior Connections	Interior Photo	Weight	Drawing Link
<u>4000-68000-1040000</u>	\$187.00	(1) RJ45 Cat5e (1) Female 15-pin D-sub HD15 (2) Female USB-A		(1) RJ45 Cat5e (1) Male 15-pin D-sub HD15 (2) Female USB-A		75g [0.16 lb]	<u>PDF</u>
<u>4000-68000-1120000</u>	\$89.00	(1) RJ45 Cat5e (1) Female 9-pin D-sub (1) RJ12		(1) RJ45 Cat5e (1) Female 9-pin D-sub (1) RJ12		37g [0.08 lb]	<u>PDF</u>
<u>4000-68000-1210000</u>	\$41.00	(1) RJ45 Cat5e		(1) RJ45 Cat5e		26g [0.05 lb]	<u>PDF</u>
<u>4000-68000-1310000</u>	\$102.00	(1) RJ45 Cat5e (1) Female USB-A		(1) RJ45 Cat5e (1) Female USB-A		50g [0.11 lb]	<u>PDF</u>

Continued on following page.

Modlink Panel Interface Connectors

Modlink Panel Interface Connectors Inserts Selection Table (continued)

<i>Inserts</i>							
<i>Part Number</i>	<i>Price</i>	<i>Exterior Connections</i>	<i>Exterior Photo</i>	<i>Interior Connections</i>	<i>Interior Photo</i>	<i>Weight</i>	<i>Drawing Link</i>
<u>4000-68000-3240000</u>	\$61.00	Single 120VAC outlet		-		50g [0.11 lb]	<u>PDF</u>
<u>4000-68000-4030000</u>	\$139.00	Single 120VAC outlet (1) RJ45 Cat5e (1) Female USB-A		(1) RJ45 Cat5e (1) Female USB-A		46g [0.10 lb]	<u>PDF</u>
<u>4000-68000-4040000</u>	\$98.00	Single 120VAC outlet (1) RJ45 Cat5e		(1) RJ45 Cat5e		36g [0.07 lb]	<u>PDF</u>
<u>4000-68000-4070000</u>	\$120.00	Single 120VAC outlet (1) RJ45 Cat5e (1) 3A circuit breaker		(1) RJ45 Cat5e (1) 3A circuit breaker		47g [0.10 lb]	<u>PDF</u>
<u>4000-68000-8900000</u>	\$8.00	Blank plate		Blank plate		18g [0.03 lb]	<u>PDF</u>

Modlink Panel Interface Connectors

Use this checklist to quickly identify the connections in each insert.

Modlink Panel Interface Connectors - Inserts						
Part Number	RJ45	USB-AA	DB9	HD15	RJ12	3A Circuit Breaker
No Power						
4000-68000-1040000	✓	✓✓	—	✓	—	—
4000-68000-1120000	✓	—	✓	—	✓	—
4000-68000-1210000	✓	—	✓*	—	—	—
4000-68000-1310000	✓	✓	—	—	—	—
115VAC Simplex Outlet (Single)						
4000-68000-3240000	—	—	—	—	—	—
4000-68000-4030000	✓	✓	—	—	—	—
4000-68000-4040000	✓	—	—	—	—	—
4000-68000-4070000	✓	—	—	—	—	✓
Blank Plate						
4000-68000-8900000	—	—	—	—	—	—

* Note: This is a blind cover for a DB9 connector.



[4000-68000-1040000](#)



[4000-68000-1120000](#)



[4000-68000-1210000](#)



[4000-68000-1310000](#)



[4000-68000-4040000](#)



[4000-68000-4070000](#)



[4000-68000-8900000](#)

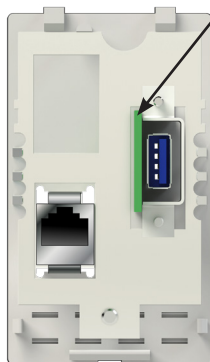


[4000-68000-3240000](#)

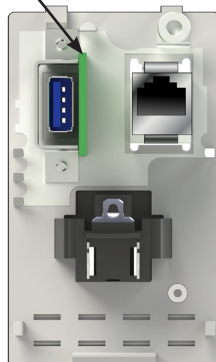


[4000-68000-4030000](#)

USB
Cable Tie Strain Relief
(cable tie included)



[4000-68000-1310000](#)

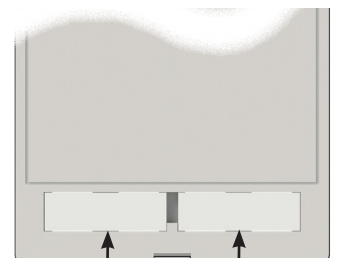


[4000-68000-4030000](#)



[4000-68000-1210000](#)

Strain Relief



Identification Tags
(2) 6 x 19mm [1/4 x 3/4in]
(included on each insert)

Modlink Panel Interface Connectors

Modlink Panel Interface Connectors - Frames



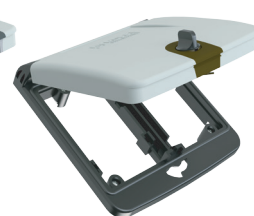
Transparent



Metallic



Gray



Modlink Panel Interface Connectors Frames Selection Table

Single Frames								
Part Number	Price	Cover Color	Cover Front View	Cover Closure	Wall Thickness	Requires	Weight	Drawing Link
<u>4000-68512-0000001</u>	\$35.00	Transparent		3mm double bit closure including plug-in rotation knob	0.04 to 0.20 in [1 to 5mm]	1 Insert	85g [0.18 lb]	PDF
<u>4000-68513-0000001</u>	\$38.00	Metallic					87g [0.19 lb]	PDF
<u>4000-68514-0000001</u>	\$39.00	Gray					96g [0.21 lb]	PDF
Double Frames								
<u>4000-68522-0000001</u>	\$56.00	Transparent		3mm double bit closure including plug-in rotation knob	0.04 to 0.20 in [1 to 5mm]	2 Inserts	148g [0.32 lb]	PDF
<u>4000-68523-0000001</u>	\$62.00	Metallic					152g [0.33 lb]	PDF
<u>4000-68524-0000001</u>	\$63.00	Gray					169g [0.37 lb]	PDF



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Modlink Panel Interface Connectors

Touch Protection Covers

Overview

The touch protection cover mounts on the back of a frame (single or double) to increase safety inside the cabinet.

The hardware needed to secure the cover to the frame is included.

Modlink Panel Interface Connectors Touch Protection Covers Selection Table				
Part Number	Price	Description	Weight	Drawing Link
4000-68000-9140000	\$40.00	Murrelektronik Modlink touch protection cover, ABS plastic, black. For use with Modlink series double frames sizes.	91g [0.20 lb]	PDF
4000-68000-9180000	\$22.00	Murrelektronik Modlink touch protection cover, ABS plastic, black. For use with Modlink series single frames sizes.	36g [0.07 lb]	PDF



[4000-68000-9140000](#)



[4000-68000-9180000](#)



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Modlink Panel Interface Connectors

Modlink Panel Interface Connectors - Specifications

Modlink Panel Interface Connectors Specifications		
Receptacle Electrical Specifications		
Voltage Rating		125 VAC
Current Rating		Receptacle 15A, Resettable Circuit Breaker 3A
SCCR		Receptacle 10kA, Resettable Circuit Breaker 0.2 kA
Termination Type * see table below	4000-68000-3240000	Screw connections
	4000-68000-4030000 , 4000-68000-4040000	4.8 mm disconnect terminal or can be soldered
	4000-68000-4070000	Receptacle 4.8 mm disconnect terminal or can be soldered Resettable Circuit Breaker 6.3 mm disconnect terminal or can be soldered
Technical Specifications		
Agency Approvals		cULus, cURus, CE
Degree of Protection		UL Type Rating 1, 4, 4x, 12, 13 IP65 outside With touch protection cover IP20 inside
Operating Temperature	Frames	-22 to 158°F [-30 to 70°C]
	Inserts (4000-68000-1040000 , 4000-68000-1210000 , 4000-68000-8900000)	-4 to 140°F [-20 to 60°C]
	Inserts (4000-68000-1310000 , 4000-68000-3240000 , 4000-68000-4030000 , 4000-68000-4070000)	41 to 104°F [5 to 40°C]
	Touch Protection Cover	32 to 122°F [0 to 50°C]
Shock According to EN 60068-2-6		10 to 500 Hz, 2g
Vibration According to EN 60068-2-27		1/2 sin 15g, 11ms
Suggested Screw Torque	Secure Frame to Cabinet	5.3 +/- 0.9 lb•in [0.6 +/- 0.1 N•m]
	Secure Insert to Frame	
Material and Color Specifications		
Frame	Material	Polyamide (PA)
Frame	Color	Black
Frame Cover Material	Transparent Models 4000-68512-0000001 , 4000-68522-0000001	Polycarbonate (PC)
	Metallic Models 4000-68513-0000001 , 4000-68523-0000001	Acrylonitrile butadiene styrene (ABS)
	Gray Models 4000-68514-0000001 , 4000-68524-0000001	Polybutylene terephthalate (PBT)
Frame Separator	Material	Polyamide (PA)
	Color	Black
Plug-in Rotation Knob	Material	Polybutylene terephthalate (PBT)
	Color	Black
Insert		Polybutylene terephthalate (PBT)
Touch Protection Cover	Material	Polycarbonate (PC) and Acrylonitrile butadiene styrene (ABS)
	Color	Black

Recommended Disconnect Terminals				
Item	Disconnect Terminal	Wire Size		Terminal Size
		AWG	mm ²	
Receptacle	V70FH004003	20-18	0.5-1	4.8 x 0.5
	V70FH004004			4.8 x 0.8
	V70FH004008	16-14	1.5-2.5	4.8 x 0.5
	V70FH004009			4.8 x 0.8
Resettable Breaker	V70FH004005	20-18	0.5-1	6.3 x 0.9
	V70FH004010	16-14	1.5-2.5	
	V70FH004011	12-10	4-6	