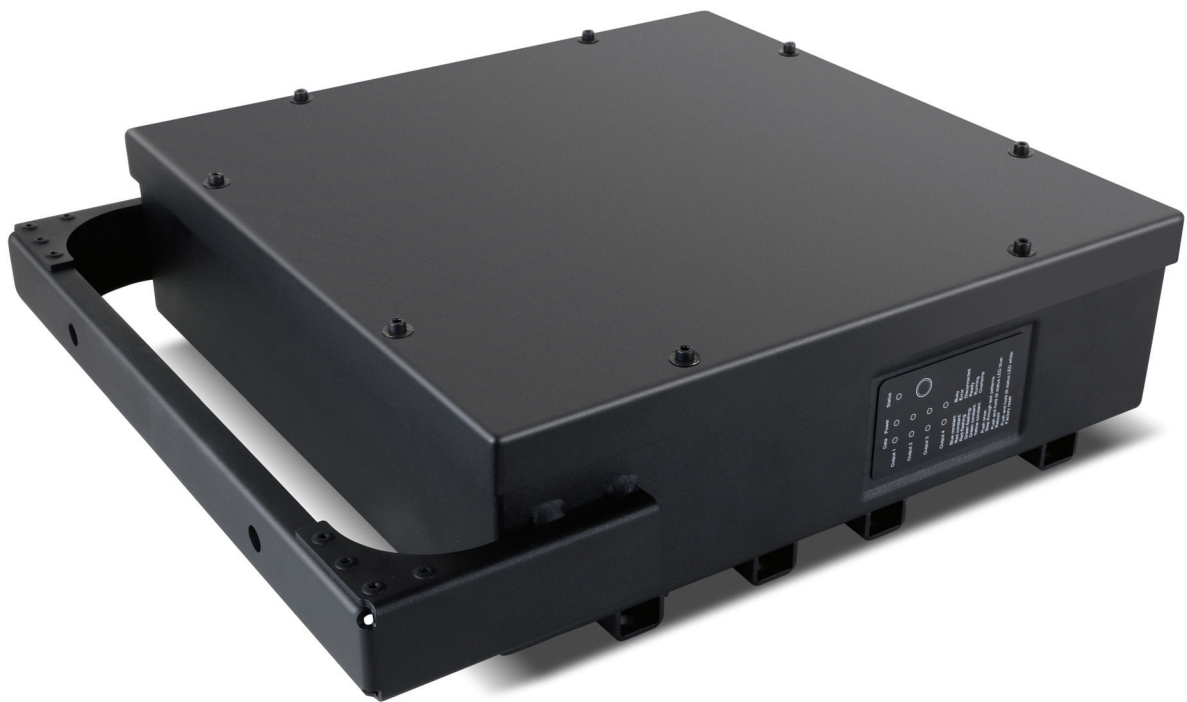


# **P3 PowerPort 1000 IP™**

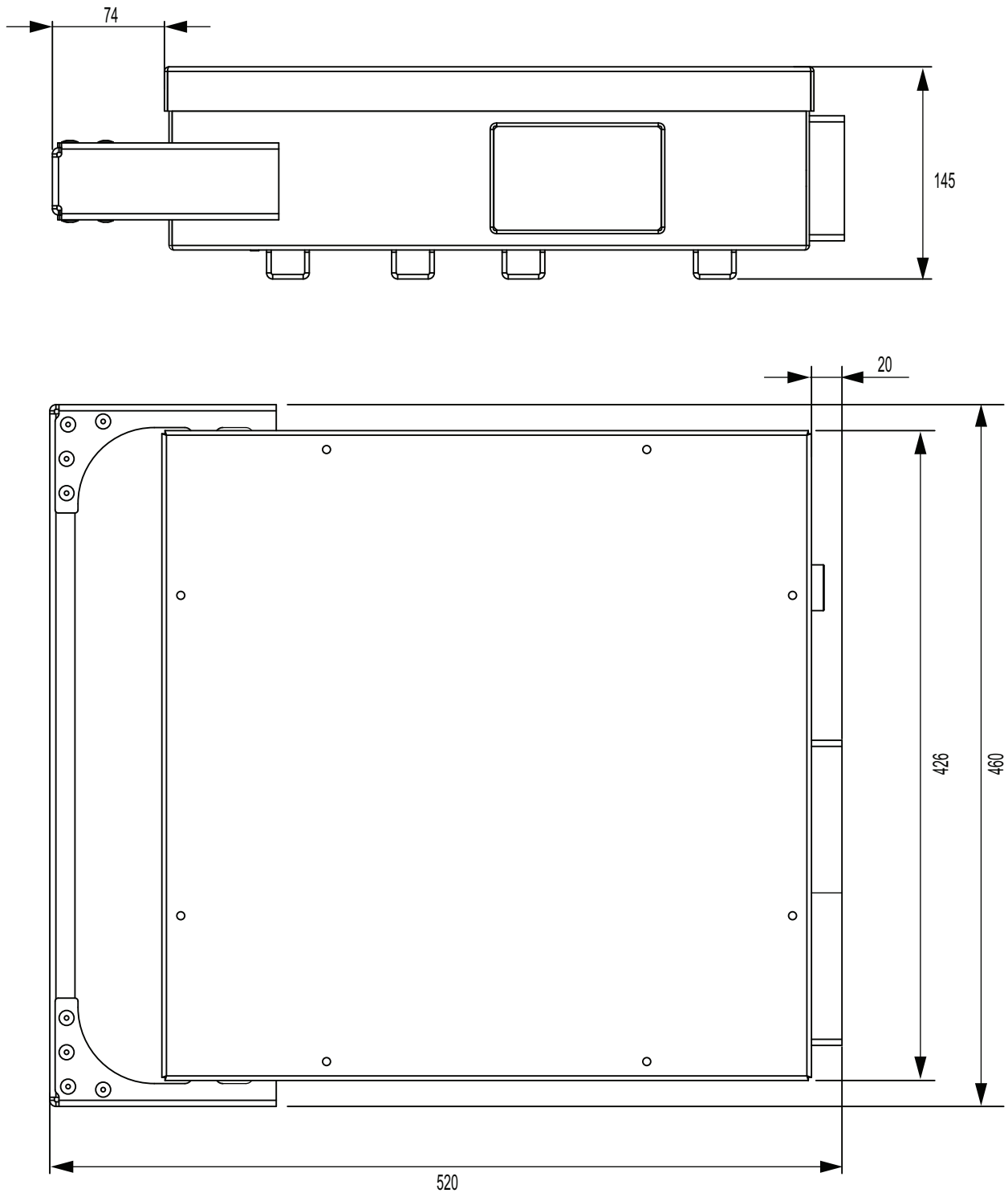
## **Rental model**

### **User Manual**



# Dimensions

All measurements are expressed in millimeters



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P/N 5067119, Rev. A

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# Safety Information



## WARNING!

**Read the safety precautions in this section before installing, powering, operating or servicing this product.**

The following symbols are used to identify important safety information on the product and in this document:



**Warning!**  
Safety hazard.  
Risk of severe injury or death.



**Warning!**  
Hazardous voltage. Risk of severe or lethal electric shock.



**Warning!**  
Fire hazard.



**Warning!**  
Refer to manual before installing, powering or servicing.



**Warning!** Read this user manual before installing and operating the P3 PowerPort 1000 IP.

**Warning!** The P3 PowerPort 1000 IP is designed to integrate with other devices in a video display installation. Follow the safety precautions given not only in this user manual but also in the manuals of all the devices you connect to it. Observe all warnings given in the manuals and printed on devices. Install and operate devices only as described in the manuals and only in accordance with local laws and regulations. Keep this manual for future reference. Manuals are supplied with devices and also available for download from [www.martin.com](http://www.martin.com).



**Warning!** The Martin™ P3 PowerPort 1000 IP is not for household use. It presents risks of severe injury or death due to fire and burn hazards, electric shock and falls. It must be installed by qualified technicians only.

**Warning!** There are no user-serviceable parts inside the P3 PowerPort 1000 IP. Refer any operation not described in this manual to Martin™ or its authorized service agents.

If you have any questions about how to operate the P3 PowerPort 1000 IP safely, please contact your Martin™ supplier or call the Martin™ 24-hour service hotline on +45 8740 0000, or in the USA on 1-888-tech-180.



## PROTECTION FROM ELECTRIC SHOCK

- The P3 PowerPort 1000 IP can supply a safe maximum current of 5 A on each of its four power + data outputs. Do not connect devices that draw a combined total current of more than 5 A to a power + data output.
- Check and respect the directions given in the user manuals of all the devices that you intend to connect to the P3 PowerPort 1000 IP, particularly the instructions, warnings and limits that apply to:
  - system layout,
  - connections to other devices,
  - specified cables,
  - maximum cable lengths, and
  - maximum number of devices that can be connected.
- Provide a means of locking out AC mains power that allows power to the installation to be shut down and made impossible to reapply, even accidentally, during work on the installation.
- Shut down power to the installation during service and when it is not in use.
- Ensure that the P3 PowerPort 1000 IP is electrically connected to ground (earth).

- Connect the P3 PowerPort 1000 IP to AC mains power at 120-240 V~ (nominal), 50/60 Hz only.
- Use only a source of AC mains power that complies with local building and electrical codes and has both overload and ground-fault (earth-fault) protection.
- Use only a power input cable that has 14 AWG or 2.5 mm<sup>2</sup> minimum conductor size and an outer cable diameter of 8 - 13 mm (0.35 - 0.5 in.). Power cable must be hard usage type (SJT or equivalent) and heat-resistant to 90° C (194° F) minimum. In the EU the cable must be HAR type.
- Use only the cables specified by Martin™ for the devices concerned to interconnect them. If the specified cables are not long enough for an intended cable run, consult Martin™ for assistance in finding or creating a safe alternative cable.
- Before applying power to the installation, check that all power distribution equipment and cables are in perfect condition and rated for the current requirements of all connected devices.
- Isolate the installation from power immediately if the product, power cable or power plug are in any way damaged or defective, or if they show signs of overheating.



### **PROTECTION FROM BURNS AND FIRE**

- Do not attempt to bypass fuses.
- Provide free airflow around the device.
- Do not operate the P3 PowerPort 1000 IP if the ambient temperature (Ta) exceeds 55° C (131° F).
- Do not modify the P3 PowerPort 1000 IP in any way not described in this manual or install other than genuine Martin™ parts. Use only accessories approved by Martin™.



### **PROTECTION FROM INJURY**

- When installing the P3 PowerPort 1000 IP above ground level, ensure that the primary installation hardware and supporting structure can hold at least 10 times the weight of all the devices they support.
- When suspending the P3 PowerPort 1000 IP from a rigging structure, use two rigging clamps that are approved by an official notified body for the weight they support and installed as described in this manual.
- In an overhead installation or where the P3 PowerPort 1000 IP may cause injury if it falls:
  - block access below the work area and work from a stable platform whenever installing, servicing or moving the P3 PowerPort 1000 IP,
  - install as described in this manual a secondary attachment (such as a safety wire) that is approved in accordance with UL1573 Section 9.2 and EN 60598-2-17 Section 17.6.6 as a safety attachment for the weight it must secure if the primary attachment fails, and
  - as soon as work is completed, check that all hardware and components are securely in place and that all installation and rigging hardware used is securely fastened.

# Introduction

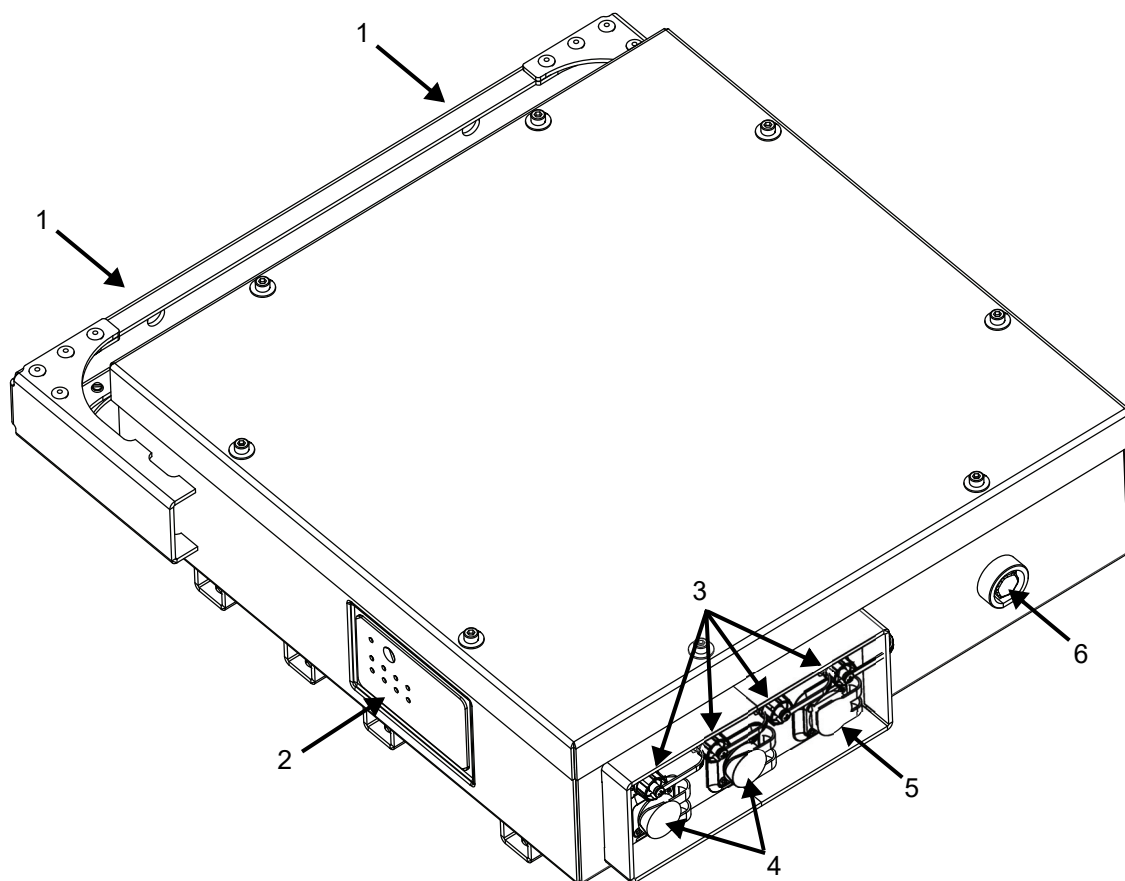
Thank you for selecting the Martin™ P3 PowerPort 1000 IP, an integrated power and data processor for Martin's range of creative LED video products, including the VDO Sceptron™ line. When driven by one of Martin's award-winning P3™ System Controllers, it powers connected products with high-quality image processing capabilities and extremely easy setup and configuration. This manual covers the rental model of the P3 PowerPort 1000 IP. Designed for easy rigging, quick connection, and outdoor use, the rental model is perfect for all temporary applications. For permanent installations, we recommend the installation model.

For possible system layouts when using the P3 PowerPort 1000 IP™ with Martin™ video products, please see the user documentation for those products. Martin™ user documentation is supplied with products and available for download from the Martin™ website at <http://www.martin.com>, where you can also find the latest specifications, firmware updates and support information for all Martin™ products.

Martin™ welcomes input from users. Comments or suggestions regarding this manual can be e-mailed to [service@martin.dk](mailto:service@martin.dk) or posted to: Technical Documentation, Martin Professional A/S, Olof Palmes Allé 18, DK-8200 Aarhus N, Denmark.

## Overview

The parts identified below are referred to throughout this manual.



- |                                  |                                  |
|----------------------------------|----------------------------------|
| 1. clamp attachment points       | 4. P3 data input/through sockets |
| 2. display panel                 | 5. AC mains input socket         |
| 3. hybrid power and data outputs | 6. pressure relief valve         |

**Figure 1: Parts identification**

# Physical installation



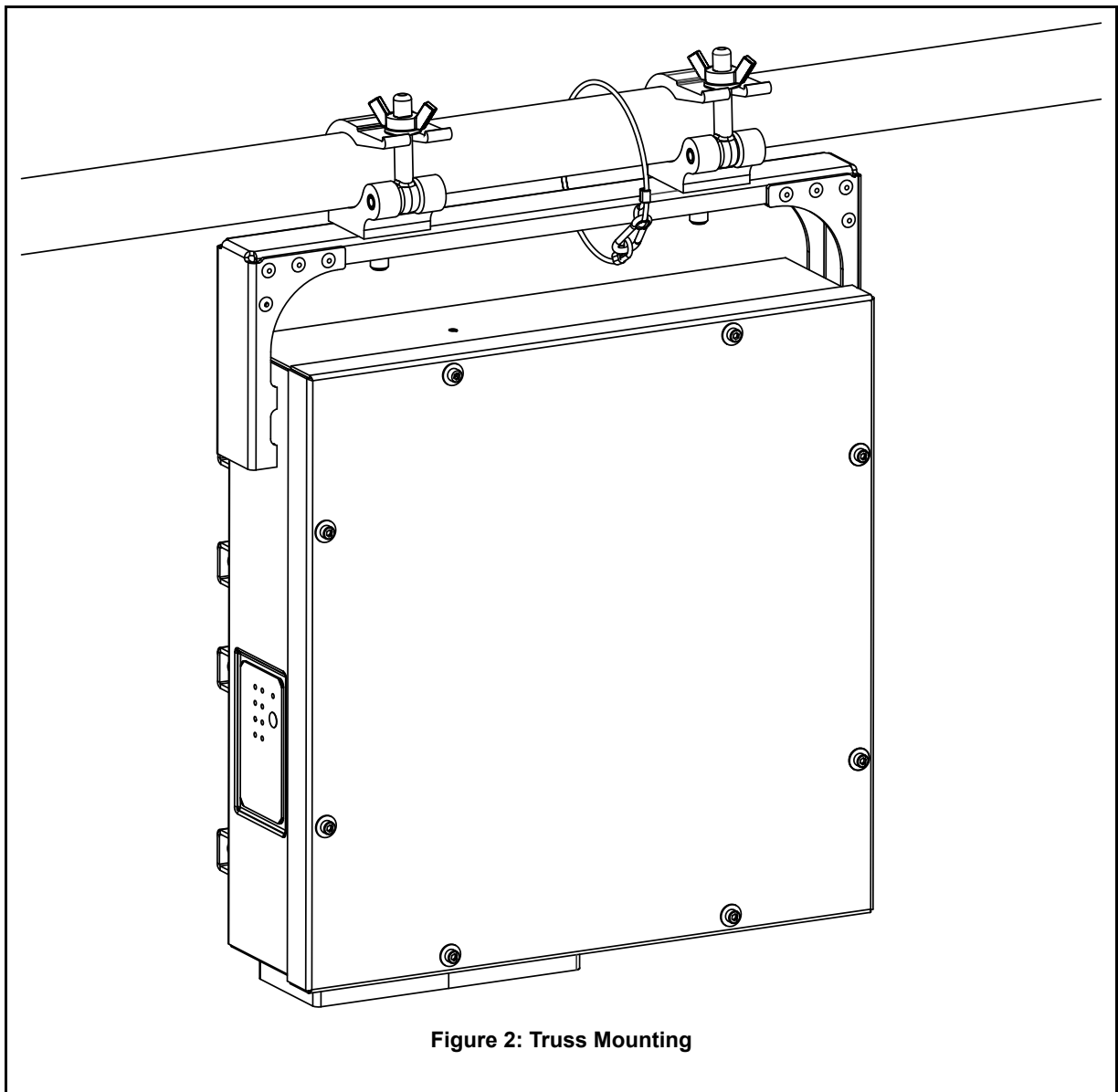
**Warning!** If suspending the product above ground level, secure it against failure of primary attachments with a safety cable that is approved for the weight of the product.

**Warning!** If suspending the product from a truss, use 2 clamps to rig the product. Do not use only one rigging clamp.

## Clamping the product on a truss

The P3 PowerPort 1000 IP can be clamped to a truss or similar rigging structure with two clamps bolted through the clamp attachment points in the mounting bar. See Figure 1. It is intended to be installed hanging down vertically, as shown in Figure 2. This orientation provides maximum protection from moisture.

When rigging the device hanging vertically from a truss, you can use open-type clamps such as G-clamps. When installing in any other orientation, you must use closed-type rigging clamps such as half-coupler clamps (see Figure 3) that completely encircle the truss chord.



**Figure 2: Truss Mounting**

To hang the device on a truss:

1. Check that the rigging structure can support at least 10 times the weight of all devices and equipment to be installed on it.
2. Securely fasten two (2) rigging clamps through the clamp attachment points in the mounting bar. The bolts used must be M12, grade 8.8 steel minimum, and fastened with self-locking nuts.
3. Block access under the work area.
4. Working from a stable platform, hang the device on the truss and fasten the rigging clamps onto the truss.
5. Secure the device with a safety cable (or other secondary attachment) that is approved for the weight of the device so that the safety cable will hold it if a primary attachment fails. As shown in Figure 2, loop the safety cable around the mounting bar and the truss or other secure anchoring point.





# Power and data connection



**Warning!** For protection from electric shock, the P3 PowerPort 1000 IP must be electrically connected to ground (earth). The AC mains supply must be fitted with a fuse or overload circuit breaker and ground-fault (earth-fault) protection. Unused sockets must be capped.



**Warning!** The power input cable must meet the specifications listed under "Protection from electric shock" on page 4.



**Warning!** Double-pole/neutral fusing. If the installation is not completely disconnected from power, parts may remain live even if one of the two mains fuses has blown.

**Warning!** The current draw at each of the P3 PowerPort 1000 IP's four DC power/video data outputs must not exceed 5 A per output. Before connecting devices to the outputs, check carefully the information about system layouts and maximum safe limits in all the user manuals of the devices in the system.

## AC mains power input

The P3 PowerPort 1000 IP must be connected directly to AC mains power. It features an auto-sensing switch-mode power supply that automatically adapts to power at 120-240 V~ (nominal), 50/60 Hz. Note that the device utilizes double-pole/neutral fusing. Lethal current may be present even if one of the two mains fuses has blown.

The P3 PowerPort 1000 IP is connected to power via the Neutrik PowerCon TRUE1 AC mains input socket.

A suitable power cable with a PowerCon TRUE1 cable connector can be ordered from Martin™. Alternatively, you can order the PowerCon TRUE1 cable connector as a separate item from Martin™ and install it on your own power cable as described on the following pages. If you use your own power cable, it must meet the cable specifications listed under "Protection from electric shock" on page 4. See "Accessories" on page 18 for Martin™ cable and connector ordering details.



# OPERATING & ASSEMBLY INSTRUCTION

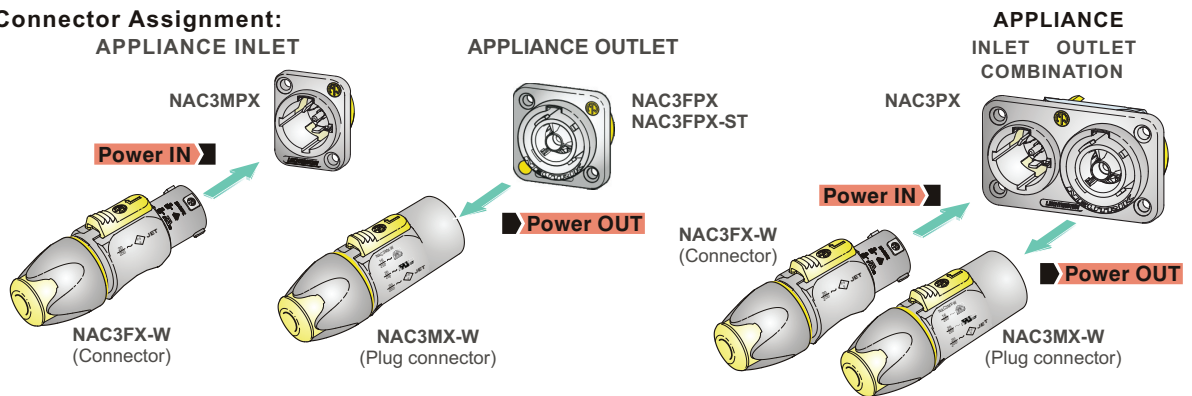
## NAC3MX-W | powerCON TRUE1

### A. OPERATING INSTRUCTION

#### Application:

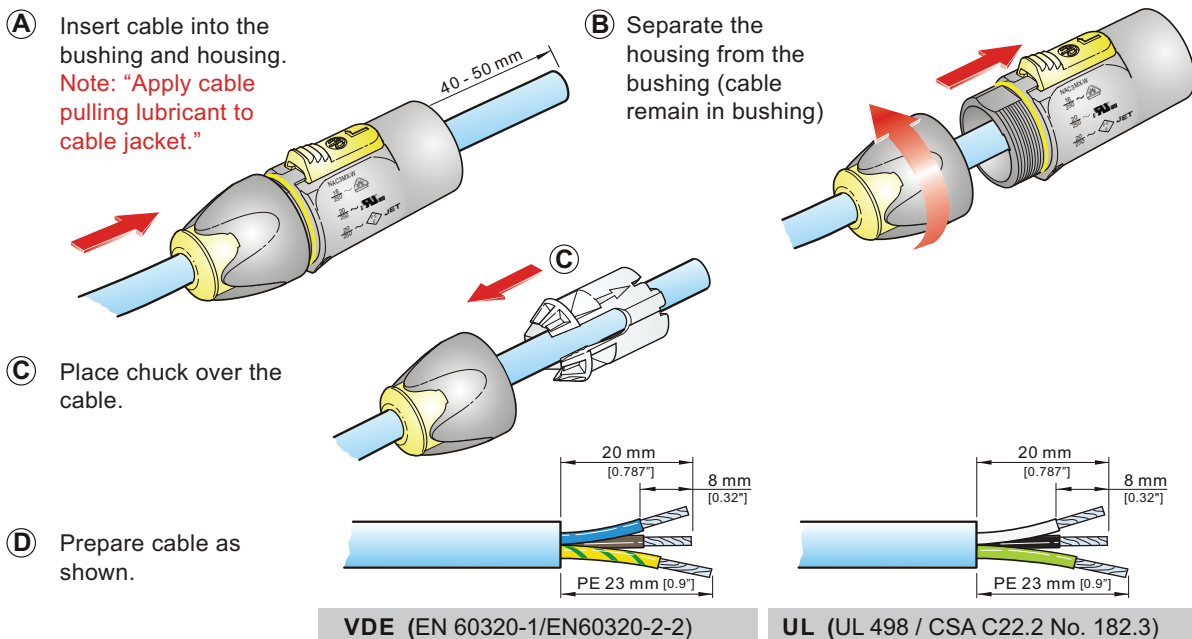
The powerCON TRUE1 system is certified as connector with breaking capacity according IEC 60320, VDE 0625. It is intended for use as appliance couplers and interconnection couplers. It serves to supply power to an appliance and from an appliance to another equipment. To be installed by qualified person only.

#### Connector Assignment:



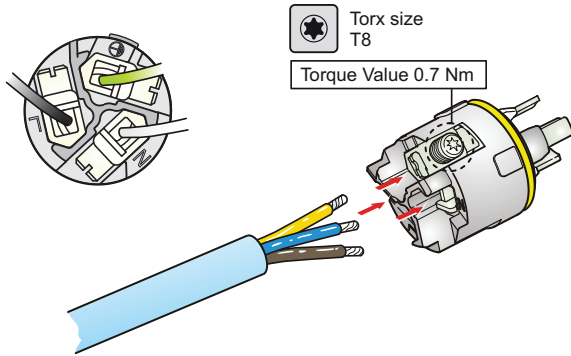
<b>Approval based:</b>	<b>VDE</b> EN 60320-1/EN60320-2-2	<input checked="" type="checkbox"/>	<b>UL</b> UL 498 / CSA C22.2 No. 182.3	<input checked="" type="checkbox"/>
<b>Rating:</b>	250 V ac / 16 A		250 V ac / 20 A	
<b>Cable Type:</b>	H05VV-F3G 1.0 mm <sup>2</sup> , Length max. 2 m H05VV-F3G 1.5 - 2.5 mm <sup>2</sup> H07RN-F3G 1.5 mm <sup>2</sup>		SJTOW, SJOOW 3 x 12 AWG	
<b>Strain Relief:</b>	White chuck		White chuck	
<b>Cable O.D.:</b>	6.0 - 12.0 mm		6.0 - 12.0 mm	

### B. ASSEMBLY INSTRUCTION





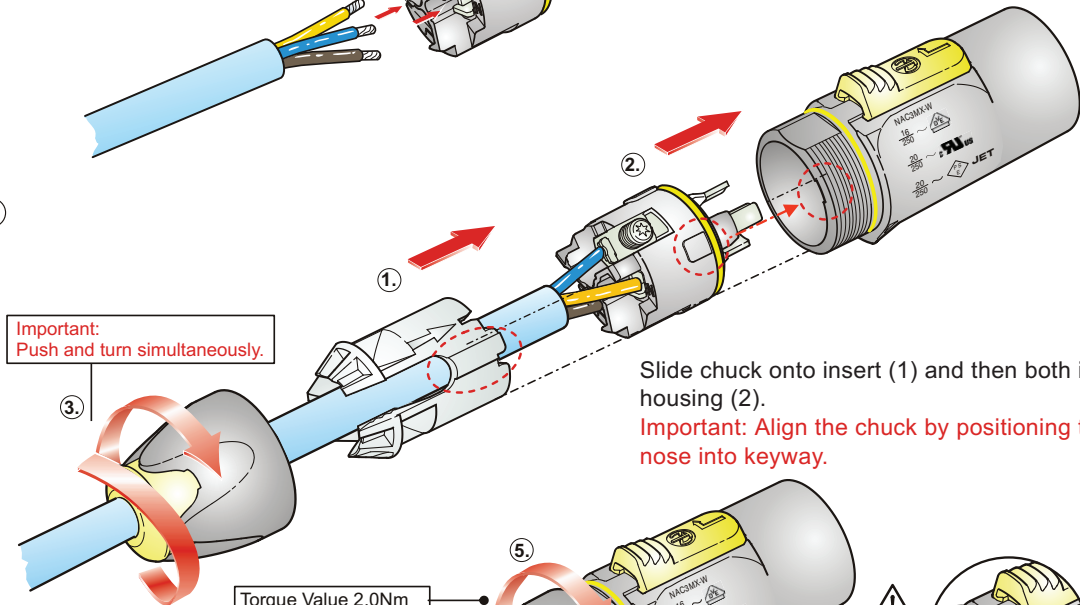
E



Slide the cable into the contacts and clamp with the screw with Torx size T8.

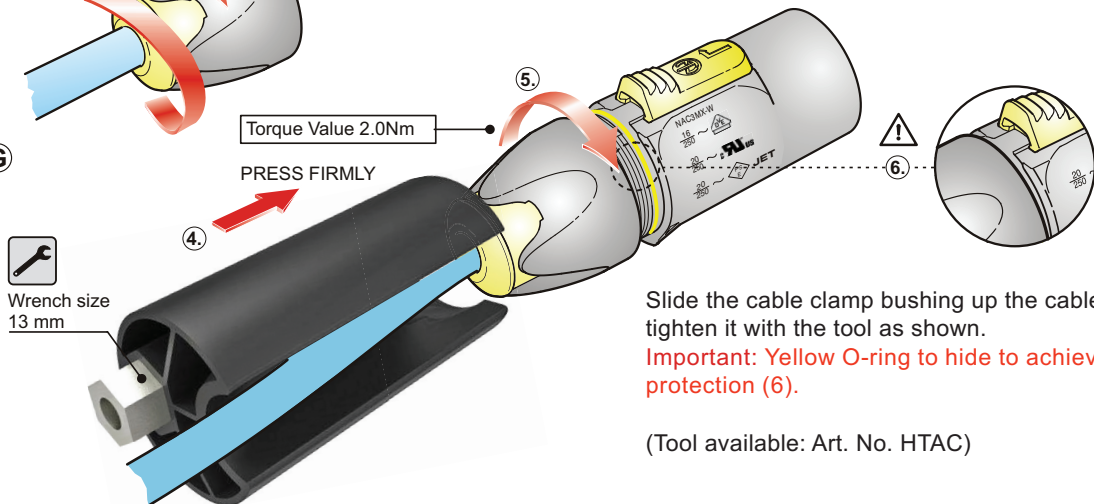
Wiring	VDE	UL
L ⇒	brown	black
N ⇒	blue	white
⊥ ⇒	green / yellow	green

F



Slide chuck onto insert (1) and then both into housing (2).  
Important: Align the chuck by positioning the nose into keyway.

G



Slide the cable clamp bushing up the cable and tighten it with the tool as shown.  
Important: Yellow O-ring to hide to achieve IP protection (6).

(Tool available: Art. No. HTAC)

**Disassembly (open twist lock):**

1. Press with screw driver to unlock
2. Turn bushing while still pressing locking.

**CAUTION**

To ensure protection category, do not expose the connection to bending forces (e.g. do not attach loads to the cable, no free-dangling cable windings etc.).

Illustrations are used by kind permission of Neutrik AG

## Connecting to an AC mains power source

If you install a cord cap (mains plug) on the power cable, install a grounding-type (earthed) plug, following the plug manufacturer's instructions. Table 1 shows some possible mains power pin identification schemes; if the pins are not clearly identified, or if you have any doubts about proper installation, consult a qualified electrician.



Wire Color (US system)	Wire Color (EU system)	Pin	Symbol	Screw (US)
black	brown	live	L	yellow or brass
white	blue	neutral	N	silver
green	yellow/green	ground (earth)	 or 	green

Table 1: Cord cap connections

## P3 video data input/throughput

The P3 PowerPort 1000 IP™ relays video data from a Martin P3™ system controller to a Martin™ LED-based video display system. It has active video processing circuits and must be powered on before it will relay a P3 video signal from an input connector to throughput and output connectors.

The video data sockets accept Neutrik RJ-45 Ethercon connectors in protective shells as installed on most Martin™ P3 Ethernet video data cables, but standard RJ-45 connectors can be used.

### Connecting video data input/throughput

To send P3 video data to the P3 PowerPort 1000 IP, connect an Ethernet cable carrying the P3 video data output from a Martin P3™ system controller to one of the P3 PowerPort 1000 IP's RJ-45 P3 data input/throughput Ethernet sockets.

If required, connect an Ethernet cable from the P3 PowerPort 1000 IP's unused RJ-45 data in/throughput socket to continue the P3 video data link and relay data to another P3-compatible device.

## Hybrid power + data output



**Warning!** Before you connect devices to the P3 PowerPort 1000 IP's power + data outputs, read all the devices' user manuals carefully and respect the system layout guidelines and limits given in the manuals. User manuals are available for download from [www.martin.com](http://www.martin.com).

The P3 PowerPort 1000 IP™ supplies DC power at 48 V and relays P3 video data to Martin™ video display devices over hybrid DC power + video data cables. It has four power + data outputs. Each output can supply a maximum current of 5 amps (giving a maximum combined total of 20 amps).

Each output is protected by an automatic circuit breaker. If an output is overloaded or short-circuited, it is immediately shut down. Outputs can be re-enabled either by pushing the multi-function button on the side panel or remotely via the P3 System Controller. The circuit breaker attempts to reactivate the output automatically after several minutes. If the problem is still there or happens again, the circuit breaker immediately shuts down the output again.

### Connecting hybrid power and video data output

Use only Hybrid power + data cables supplied by Martin™ to connect Martin™ video display devices. Hybrid power + data extension cables with BBD connectors are available in several lengths; see "Accessories" on page 18 for details. Do not exceed the maximum lengths for cable runs specified in user manuals.

To connect video devices, connect Martin™ hybrid cables to the device inputs and the P3 PowerPort 1000 IP's four power + data output sockets. The current draw on any one hybrid power and video data output must not exceed 5 A. Cap any unused output sockets.

# Using the product



**Warning!** Before applying power to the P3 PowerPort 1000 IP:

- Carefully review the safety information starting on page 4.
- Check that the installation is safe and secure.

Do not use the P3 PowerPort 1000 IP if the ambient temperature exceeds 55° C (131° F) or falls below -30° C (-22° F).

## Applying power

To apply power, connect a suitable AC power cable to the AC mains input socket.

## Status LEDs and control button

See Figure 4. The display panel on the side of the P3 PowerPort 1000 IP offers the following features:

- The **Data** LEDs for each output light when data is being transmitted at that output.
- The **Power** LEDs light when 48 VDC power is present at that output.
- The **Status** LED gives feedback about device status. A key is printed on the control panel for quick reference. See Table 2 on page 14 for full details.
- The **control button** lets you call up test patterns and reboot or reinitialize the device. See Table 3 on page 14 for full details.

The LEDs can be disabled from the P3 System Controller.

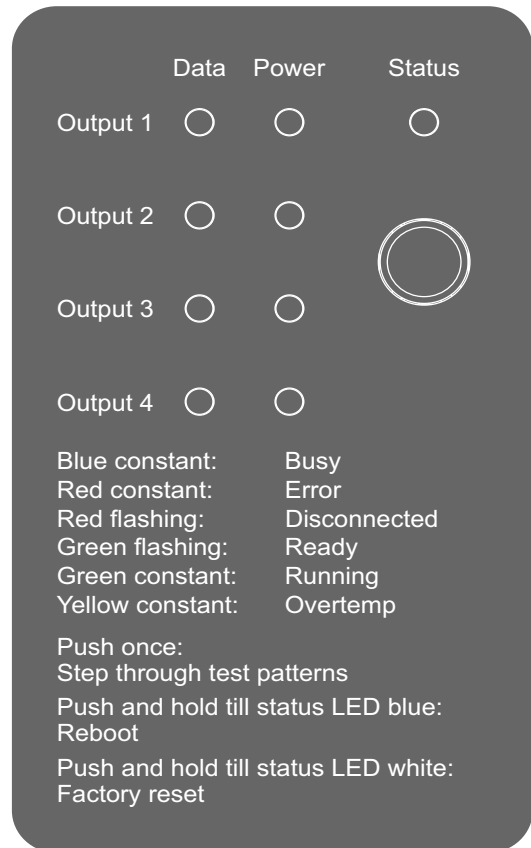


Figure 4: Status LEDs and control button

## Status LED messages

Color	Output	Indication	Action required
Blue	Constant	Busy (e.g. booting up or writing to flash memory).	Wait a moment for normal operation to be resumed.
Red	Constant	Error. The P3 PowerPort 1000 IP has encountered a fatal error and can not run.	Perform a factory reboot, followed by a firmware upload.
Red	Flashing	Disconnected. A P3 System Controller could not be found.	Connect a P3 System Controller to the network.
Green	Flashing	Ready. A P3 System Controller is present on the network.	Configure the P3 System Controller to use any or all products connected to the P3 PowerPort 1000 IP.
Green	Constant	Running. A P3 System Controller is sending video data.	None.
Yellow	Constant	Overtemperature.	Allow the device to cool down. If problem persists, check that the ambient temperature is not above 55° C (131° F). Check that there is free airflow around the device.

**Table 2: Key to status LED information**

## Control button functions

A key to the functions of the single control button on the P3 PowerPort 1000 IP's display panel is printed on the panel and given in Table 3 below:

Button action	Function
<b>Repeated short press</b>	Display the following test patterns on all the video display products that are correctly connected (one short press scrolls to next pattern): <ul style="list-style-type: none"> <li>- Calibrated white</li> <li>- Full red</li> <li>- Full green</li> <li>- Full blue</li> <li>- Vertical scrolling gradient</li> <li>- Dimmed uncalibrated white</li> </ul>
<b>Press and hold until status LED lights blue</b>	Reboot the P3 PowerPort 1000 IP.
<b>Press and hold until status LED lights white</b>	Reinitialize the P3 PowerPort 1000 IP, returning it to its default factory settings.

**Table 3: Key to control button functions**

The test patterns that are stored in internal memory let you check that the video display products in an installation are correctly connected without the need for a P3 system controller.

Note that test patterns can also be called up on P3 system controllers and on individual system components that have a test/control button.

If any of the outputs of the P3 PowerPort 1000 IP have been disabled because of an overload or short circuit, pressing the control button will re-enable the output(s) at the same time as it applies a function as shown in Table 3.

## Handling DMX and RDM

The P3 PowerPort 1000 IP will relay DMX-controlled video data from a P3 system controller. P3 controller user manuals explain how to connect a DMX controller to the P3 controller and control an installation using DMX. However, the P3 PowerPort 1000 IP does not support DMX or RDM (Remote Device Management) data that is sent directly from a DMX / RDM controller without being processed by a P3 controller. If you want to set up direct DMX / RDM control, see the display device user manuals or contact your Martin™ supplier for advice.

# Service and maintenance



**Warning!** Read “Safety Information” on page 4 before servicing the P3 PowerPort 1000 IP.

**Warning!** Disconnect the P3 PowerPort 1000 IP from AC mains power before servicing.

**Warning!** Refer any service operation not described in this manual to a qualified service technician.



**Important!** Excessive dirt buildup causes overheating and will damage the product. Damage caused by inadequate cleaning is not covered by the product warranty.

The user will need to clean the P3 PowerPort 1000 IP periodically. All other service operations on the P3 PowerPort 1000 IP must be carried out by Martin Professional™ or its approved service agents.

Installation, on-site service and maintenance can be provided worldwide by the Martin Professional Global Service organization and its approved agents, giving owners access to Martin’s expertise and product knowledge in a partnership that will ensure the highest level of performance throughout the product’s lifetime. Please contact your Martin supplier for details.

## Cleaning



**Warning!** Do not use a high-pressure water jet for cleaning. Take care not to damage seals and wiring during cleaning.

**Warning!** Disconnect from power before cleaning.



Cleaning schedules vary depending on the operating environment. It is therefore impossible to specify precise cleaning intervals for the P3 PowerPort 1000 IP. Environmental factors that may result in a need for frequent cleaning include airborne dust and pollution.

Inspect products frequently to see whether cleaning is necessary. If in doubt, consult your Martin™ dealer about a suitable maintenance schedule.

To clean the product, use warm water and a soft brush or a low-pressure or medium-pressure water jet. Use car shampoo to help remove dirt and grease. If possible, dry with a soft cloth to avoid streaking. Do not use a stiff brush or scouring pad. Do not use solvents or abrasives.

## Installing new software

It may be necessary to upload new software (i.e. device firmware) to the P3 PowerPort 1000 IP if it appears to have a software-related fault or if you want to update to a newer software version.

Software for Martin™ products is available from the Martin website. The P3 PowerPort 1000 IP software can be installed from the P3 System Controller over the P3 data link. See the P3 System Controller user manual for software installation instructions.

## Condensation and pressure relief valve

Under certain conditions, condensation may become visible inside the device. This is normal and harmless. Any condensation will gradually be expelled by the device's Gore-Tex pressure relief valve as the device goes through power off/on cycles.

The pressure relief valve is shown in Figure 1. Make sure that the valve is clean and unblocked. The valve must be able to breathe freely so that it can equalize pressure and expel water vapor. If a valve becomes blocked, excessive pressure can damage seals or cause air and water to be sucked along cables and into the device.

Water on the valve membrane will block the membrane's micropores. Do not allow water to collect on or near valve. If you suspect that a valve has become blocked with dirt, contact your Martin supplier.

# Troubleshooting

Problem	Probable cause(s)	Remedy
Status LED on front panel lights red.	Error has occurred.	Check that system is correctly connected, set up and running. Hold control button pressed in until it turns blue, then release, to reboot P3 PowerPort 1000 IP. Restart P3 system controller.
Product is completely dead.	No power to product.	Check that power is switched on and cables are plugged in.
	Fuse blown.	Disconnect from power. Lethal current may be present even if one of the two mains fuses has blown. Do not attempt repairs yourself. Contact Martin™ Service or an authorized Martin™ service partner for assistance.
	Internal fault.	Disconnect from power. Do not attempt repairs yourself. Contact Martin™ Service or an authorized Martin™ service partner for assistance.
Devices connected to one of the power + data outputs are completely dead.	Controller incorrectly setup.	Check controller settings and rectify any problems.
	Poor connections.	Check connections and rectify any faults.
	Circuit breaker has tripped (if this happens, the Power status LED for that output on front panel will not light).	Reset circuit breaker by sending command from P3 controller or pressing multi-function button on front panel. If circuit breaker trips again: <ul style="list-style-type: none"> <li>• Output may be overloaded. See user manuals of all connected devices. Check that devices are connected as specified and that the number of connected devices does not exceed the maximum permitted limit.</li> <li>• Output may be short-circuited. Check wiring and rectify any faults.</li> </ul> If a circuit breaker trips repeatedly and you cannot find the cause, disconnect from power and contact Martin™ Service or an authorized Martin™ service partner for assistance.
	Internal fault.	Disconnect from power. Do not attempt repairs yourself. Contact Martin™ Service or an authorized Martin™ service partner for assistance.
Video display products do not behave as intended.	Bad low-voltage DC power transmission.	Inspect connections and cables. Correct poor connections. Repair or replace damaged cables.
	Bad video data transmission.	Inspect connections and cables. Correct poor connections. Repair or replace damaged cables.
	Incorrect addressing of products.	Check product address and P3 system controller settings.
	Product in installation is defective and is disturbing data transmission.	Substitute known good products one at a time until normal operation is regained. Have faulty product serviced by qualified technician.

**Table 4: Troubleshooting**



# Specifications

## Physical

Length	.520 mm (20.5 in.)
Width	.460 mm (18.2 in.)
Height	.145 mm (5.7 in.)
Weight including bracket	8.5 kg (18.7 lbs.)

## Control and Programming

Addressing and status	.Via P3 System Controller
Mapping	.Via P3 System Controller
Firmware update	.Via P3 System Controller

## Control/User Interface

Device status	.Multicolor LED
Data output status	.Four LEDs
Power output status	.Four LEDs
Device test and reset	.Multi-function button

*Status LEDs can be disabled remotely if required*

## Video Signal Protocol

Video signal type	.Gigabit Ethernet
Video signal compliance	.Martin P3™ proprietary protocol
P3 data cable type	.Ethernet, CAT 5e or better
P3 data cable length	.Up to 100 m (328 ft.) between any two devices, extendable with Ethernet switch

## System Integration

Martin VC-Dot™ family via Martin VC-Feeder™
Martin Exterior PixLine™ family
Martin Exterior Dot-HP™ family
Martin VDO Sceptron™ family
Martin VC-Grid™ family (indoor product)
Martin VC-Strip™ family (indoor product)

## Construction

Housing	.Aluminum
Color	.Matt black
Ingress protection rating	.IP65
Effective Projected Area (EPA)	.0.22 m <sup>2</sup>

## Installation

Mounting options	.Flown from rigging clamps or free-standing
Orientation	.Any, except with connectors facing up or lid facing down

## Connections

AC mains power input	.Neutrik PowerCON TRUE1
P3 data in/out	.Two Neutrik EtherCON Cat 6
Combined power & data out	.Four IP65-rated custom BBD-type

## Electrical

AC mains power input	.120-240 V~ (nominal), 50/60 Hz
Power supply units	.Auto-ranging electronic switch-mode
Power input cable type	.AWG 14 or 2.5 mm <sup>2</sup> , SJT, UL-listed or HAR type
DC power output	.48 V
Maximum permitted current draw per output	.5 A
Maximum permitted total current draw from all outputs combined	.20 A
Main fuses	.Double-pole/neutral fusing, 2 x 16 AF (fast-acting), 250 VAC
Typical total power consumption	.1100 W
Typical half-cycle RMS inrush current at 230 V, 50 Hz	.20.9 A

## Thermal

Maximum ambient temperature ( $T_a$ max.)	55° C (131° F)
Minimum ambient temperature ( $T_a$ min.)	-30° C (-22° F)
Cooling	Convection

## Approvals



EU safety	EN 60950
EU EMC	EN 55032, EN 55103-2, EN 55024, EN 61000-3-2, EN 61000-3-3
US safety	ANSI/UL 60950-1
US EMC	FCC Part 15 Class A
Canadian safety	CSA C22.2 No. 60950-1
Canadian EMC	ICES-003 Class A

## Accessories

### Power cables

Power Input Cable, H07RN-F, 2.5 mm <sup>2</sup> , 14 AWG, bare ends to Neutrik TRUE1 NAC3FX-W (female) 1.5 m (4.9 ft.)	P/N 91611797
Power Input Cable, H07RN-F, 2.5 mm <sup>2</sup> , 14 AWG, bare ends to Neutrik TRUE1 NAC3FX-W (female), 5 m (16.4 ft.)	P/N 91611786

### Power connectors

Cable Connector, Neutrik PowerCON TRUE1 NAC3FX-W (female)	P/N 91611789
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### Data cables

Data Cable, Cat 6 EtherCON-EtherCON 0.45 m (1.4 ft.)	P/N 91611781
Data Cable, Cat 6 EtherCON-EtherCON 1.2 m (3.9 ft.)	P/N 91611782
Data Cable, Cat 6 EtherCON-EtherCON 5 m (16.4 ft.)	P/N 91611783
Data Connector, Cat 6 EtherCON	P/N 91611787

### Power + data output extension cables

Power+Data Cable Rental BBD-BBD 1m	P/N 91616041
Power+Data Cable Rental BBD-BBD 2,5m	P/N 91616024
Power+Data Cable Rental BBD-BBD 5m	P/N 91616042
Power+Data Cable Rental BBD-BBD 10m	P/N 91616043
Power+Data Cable Rental BBD-BBD 25m	P/N 91616044
Power+Data Cable Rental 100m	P/N 91616045
Power+Data Connector, BBD Male	P/N 91611750
Power+Data Connector, BBD Female	P/N 91611751
Caps for Female BBD Connector, Set of 10	P/N 91616052

### Adapters for connecting to VC-Dot cables

Power+Data Adapter M16-BBD 0.25 m (9.8 in.)	P/N 91616053
Power+Data Adapter BBD-M16 0.25 m (9.8 in.)	P/N 91616054

### Rigging hardware

G-clamp	P/N 91602003
Half-coupler clamp	P/N 91602005
Quick trigger clamp	P/N 91602007
Safety wire, safe working load 50 kg (110.2 lbs.)	P/N 91604003

## Related Items

Martin P3-050™ System Controller	P/N 90721090
Martin P3-100™ System Controller	P/N 90721010
Martin P3-150™ System Controller	P/N 90721015
Martin P3-200™ System Controller	P/N 90721020
Martin P3-300™ System Controller	P/N 90721060
Martin P3-PC™ System Controller	P/N 90721030
P3-PC License Code	P/N 39808028

See [www.martin.com](http://www.martin.com) for latest information.

### Ordering Information

Martin P3 PowerPort 1000 IP™, Rental Model	P/N 90721070
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Specifications subject to change without notice. For the latest product specifications, see [www.martin.com](http://www.martin.com)

### **FCC Compliance**

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

### **Canadian Interference-Causing Equipment Regulations - *Règlement sur le Matériel Brouilleur du Canada***

This Class A digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.  
*Cet appareil numérique de la classe A respecte toutes les exigences du Règlement sur le Matériel Brouilleur du Canada.*



### **Disposing of this product**

Martin™ products are supplied in compliance with Directive 2012/19/EC of the European Parliament and of the Council of the European Union on WEEE (Waste Electrical and Electronic Equipment), where applicable.

Help preserve the environment! Ensure that this product is recycled at the end of its life. Your supplier can give details of local arrangements for the disposal of Martin products.





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