

DMX PowerPort 375

INDOOR POWER & DATA UNIT FOR MARTIN CREATIVE LED

SPEC SHEET



OVERVIEW

The DMX PowerPort 375 is a compact and versatile power supply for the entire Martin Creative LED Video range, to be used in DMX-based applications. The DMX PowerPort 375 is compatible with these product families:

- Martin VDO Fatron
- Martin VDO Dotron
- Martin VDO Sceptron
- Martin VC-Grid
- Martin VC-Strip
- Martin VC-Dot
- Martin Exterior PixLine
- Martin Exterior Dot-HP

The DMX PowerPort 375's versatile housing supports single- and dual-unit mounting in 19" racks, wall-mounting and truss-mounted hanging configurations. The robust connectors and built-in DMX/RDM compatible splitter facilitate easy daisy-chaining between units, while the local test-button provides quick system-check without running back to the console.

DMX PowerPort 375

INDOOR POWER & DATA UNIT FOR MARTIN CREATIVE LED

SPEC SHEET

FEATURES

- Rack-, truss- and wall-mountable
- Compact design
- DMX/RDM IN and THRU
- Built-in DMX/RDM splitter
- Hybrid power/data output port
- Local test button

ORDERING INFORMATION

- DMX PowerPort 375..... P/N 90721094

RELATED ITEMS

- Martin Companion Cable..... P/N 91616091
- P3 PowerPort 1500 P/N 90721040
- P3 PowerPort 1000 IP Rental..... P/N 90721070
- P3 PowerPort 1000 IP Install..... P/N 90721080
- Martin IP66 PSU 240 W..... P/N 90760330

ACCESSORIES

POWER INPUT CABLES

- Power Input Cable, H07RN-F, 2.5 mm², bare ends to TRUE1, 1.5 m (4.9 ft.)..... P/N 91611797
- Power Input Cable, H07RN-F, 2.5 mm², bare ends to TRUE1, 5 m (16.4 ft.)..... P/N 91611786
- Power Input Cable, SJ00W, 12 AWG, bare ends to TRUE1, 1.5 m (4.9 ft.)..... P/N 91610173
- Power Input Cable, SJ00W, 12 AWG, bare ends to TRUE1, 5 m (16.4 ft.)..... : P/N 91610174

POWER THRU CABLES

- Power Relay Cable, H07RN-F, 2.5 mm², TRUE1 to TRUE1, 0.45 m (1.5 ft.)..... P/N 91611784
- Power Relay Cable, H07RN-F, 2.5 mm², TRUE1 to TRUE1, 1.2 m (3.9 ft.)..... P/N 91611785
- Power Relay Cable, H07RN-F, 2.5 mm², TRUE1 to TRUE1, 2.5 m (8.2 ft.)..... P/N 91611796
- Power Relay Cable, SJ00W, 12 AWG, TRUE1 to TRUE1, 0.45 m (1.5 ft.)..... P/N 91610170
- Power Relay Cable, SJ00W, 12 AWG, TRUE1 to TRUE1, 1.2 m (3.9 ft.)..... P/N 91610171
- Power Relay Cable, SJ00W, 12 AWG, TRUE1 to TRUE1, 2.5 m (8.2 ft.)..... P/N 91610172

POWER CONNECTORS

- Power Connector, Cable Mount, Neutrik TRUE1 NAC3FX-W (female) P/N 91611789HU
- Power Connector, Cable Mount, Neutrik TRUE1 NAC3MX-W (male) P/N 91611788HU

INSTALLATION HARDWARE

- Super Lightweight Half Coupler Rigging Clamp, black (fits M10 threaded hole)..... P/N 91602018
- Safety Cable, SWL 60 kg, BGV C1 / DGUV 17, black P/N 91604006
- Safety Cable, SWL 60 kg, BGV C1 / DGUV 17, silver P/N 91604007



DMX PowerPort 375

INDOOR POWER & DATA UNIT FOR MARTIN CREATIVE LED

SPEC SHEET

TECHNICAL SPECIFICATIONS

PHYSICAL

Width	220mm (single or double unit 19" rack-mountable with included rackmount ears)
Depth	289mm
Height	44mm (rack mount 1U)
Weight	2.33 kg

CONTROL AND PROGRAMMING

Control Protocols	DMX and RDM
Setting and Addressing of connected fixtures	RDM
DMX Compliance	USITT DMX512-A
RDM Compliance	ANSI/ESTA E1.20
DMX/RDM Transceiver IN/THRU	Opto-Isolated RS-485
DMX/RDM Transceiver OUT	Opto-Isolated RS-485
Firmware Update	over DMX link using Martin Companion

CONTROL/USER INTERFACE

Power Output Status	Green LED
Data Activity Status	Yellow LED
Fixture Test	Pushbutton to call up test pattern

SUPPORTED FIXTURES

Martin VDO Sceptron Family
Martin VDO Fatron Family
Martin VDO Dotron Family
Martin Exterior PixLine Family
Martin Exterior Dot-HP Family
Martin VC-Grid Family
Martin VC-Strip Family
Martin VC-Dot Family (via Martin VC-Feeder)

Quantity of fixtures per DMX PowerPort 375 listed in Capacity Document

CONSTRUCTION

Color	Matt Black
Housing Material	Steel
Protection Rating	IP 20
RoHS	Compliant
REACH	Compliant

INSTALLATION

Single Unit 19-inch Rackmount	Using supplied short and long rack mounting ears
Dual Unit 19-inch Rackmount	Using supplied coupling plates and short rack mounting ears
Wallmount	Using supplied short rack mounting ears
Trussmount Vertical	Using half-coupler clamp in M10 threaded hole, max. bolt length 20 mm
Trussmount Horizontal	Using halfcouplers in supplied short rack mounting ears
Orientation	Any

CONNECTIONS

AC mains power IN	Neutrik powerCON TRUE1
AC mains power THRU	Neutrik powerCON TRUE1
DMX/RDM IN	Neutrik 5-pin male XLR socket
DMX/RDM THRU	Neutrik 5-pin female XLR socket
Combined power & data OUT	Neutrik 4-pin female XLR socket

All connections hot-plugging compatible

ELECTRICAL

AC mains power input	100-240 V (nominal), 50/60Hz
Power Supply Unit	Auto-ranging electronic switch mode
Maximum permitted total current draw from 48Vdc OUT at 100-120 V mains power	5.0 A
Maximum permitted total current draw from 48Vdc OUT at 173-240 V mains power	7.5 A
Mains fuses	Double-pole/neutral fusing, 2x T6.3 A (slow-blow), 250 VAC
Maximum total power consumption	450 W (including full load of connected fixtures)
Typical half-cycle RMS inrush current at 230 V, 50 Hz	9.6 A
Typical earth-leakage current	1.7 mA

THERMAL

Cooling	Filtered forced air (temperature-regulated, low noise)
Maximum Ambient Temperature (Ta max)	45 °C
Minimum Ambient Temperature (Ta min)	-20 °C
Typical Heat Dissipation (calculated, +/- 10%)	300 BTU/hr. (not including connected fixtures, but with system at full load)

APPROVALS

EU Safety	IEC/EN60950, IEC/EN62368-1
EU EMC	EN55032, EN55035, EN 61000-3-2, EN 61000-3-3
Canadian / US Safety	CAN/CSA-C22.2 No. 62368-1/UL 62368-1
Canadian / US EMC	ICES-003, Class B / FCC 47 CRF § 15 Class B
Australia/NZ	AS/NZS 62368.1:2018



INCLUDED ITEMS

- 1 x Safety Cable Attachment Eyelet, incl. screws
- 2 x Short Rack Mounting Ears, incl. screws
- 1 x Long Rack Mounting Ear, incl. screws
- 1 x Coupling Plate, incl. screws
- User Manual

Please note that a power input cable is not supplied with the product and must be ordered separately (see Accessories below)