

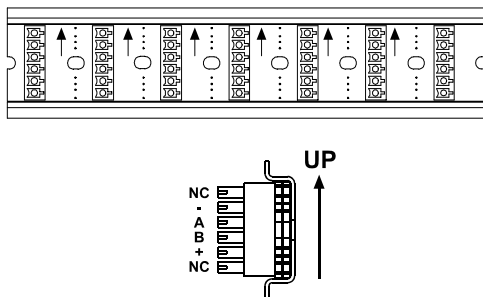
D77E-BPx QCPort Backplane Connector**Installation of the D77E-BPx**

The D77E-BPx is designed to be used in industrial applications and installed in accordance with this document. The intended use of the D77E-BPx is for use in clean, dry environments.

The D77E-BPx provides the ability to connect multiple D77A, D77E and D77D products together without the use of D77E-QPIP interconnect cables. The D77E-BPx provides connections for QCPort communications and QCPort power.

The D77E-BPx is designed to fit with in the channel of a DIN rail to provide for mounting of the D77A and D77D products. The when mounting the D77E-BPx to a panel, use a #6 screw and tighten to no more than 0.7 Nm [6.3 lb-in].

When installing the D77E-BPx, align the product so that the words "UP" and the arrow between the terminals are pointed up. Improper installing of the D77E-BPx will not allow the D77A, D77E and D77D products to be mounted properly.

**Specifications of the D77E-BPx**

Number of slots	D77E-BP7	7
	D77E-BP12	12
	D77E-BP25	25
Pin Designations (starting from top)	NC	No Connection
	-	QCPort Power Common
	A	QCPort Communication
	B	QCPort Communication
	+	QCPort Power +24V DC
	NC	No Connection
24V DC Current	QCPort Power 6 Amps Max	

Environmental Ratings of the D77E-BPx

Transportation and Storage	Temperature	-50°C to 80°C (-58°F to 176°F)
	Humidity	5-95% non-condensing
Operating	Temperature	-25°C to 55°C [-13°F to 131°F]
	Humidity	5-95% non-condensing
	Altitude	Above 2000 meters (6600 feet) consult factory
	Shock IEC 68-2-27	15G any direction for 11 milliseconds
	Vibration IEC 68-2-6	5 – 150 Hz, 5G, 0.7 mm maximum peak-to-peak

Approvals/Certifications of the D77E-BPx

Electrical/EMC	
•ESD Immunity (IEC61000-4-2)	+/- 8kV air, +/- 4kV contact
•Radiated Immunity (IEC61000-4-3)	10V/m 80-1000 MHz, 80% amplitude modulation @ 1kHz
•Fast Transient (IEC61000-4-4)	+/- 2kV supply and control +/- 1kV communications
•Surge (IEC61000-4-5)	+/- 1kV line-to-ground +/- 2kV line-to-line
•RF Conducted (IEC61000-4-6)	10V, 0.15 – 80MHz
•Magnetic Field (IEC61000-4-8)	30 A/m, 50Hz
Ingress Protection Code	IP20
Radiated and Conducted Emissions	EN5011 Class A
Agency Certifications	UL 508
	CUL (CSA C22.2 No. 14)
	CE (Low Voltage Directive)

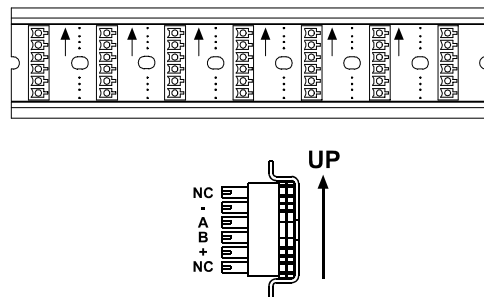
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	B	QCPort Communication
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	NC	No Connection
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•Surge (IEC61000-4-5)	+/- 1kV line-to-ground +/- 2kV line-to-line
•RF Conducted (IEC61000-4-6)	10V, 0.15 – 80MHz
•Magnetic Field (IEC61000-4-8)	30 A/m, 50Hz
Ingress Protection Code	IP20
Radiated and Conducted Emissions	EN5011 Class A
Agency Certifications	UL 508
	CUL (CSA C22.2 No. 14)
	CE (Low Voltage Directive)