DATA SWITCH CROSSOVER (DSX) CONNECTOR

The GracePort® DSX R53, R54 and R55 Series Crossover Switches are a family of programming interfaces for PanelView/AB Serial PLC Systems. These products are sold as complete kits which include: (2) Interface Cables (PLC to DSX & Panelview to DSX), programming cable, pre-configured DSX PCB with pinout stations for 100% flexibility and a GracePort® DSX Assembly with 120 VAC outlet.

R53

Don't see what you're looking for?
Contact us at sales@grace-eng.com, call 1-800-280-9517 or visit www.graceport.com to chat with our customer service.

Sample Part No.:

P - R * * - F 3 R 0

R53, R54, or R55

Connector Code/ Compatible PLC	UL Type 1	UL Type 4	UL Type 4X	UI Type 4X 304 Stainless Steel	UL Type 4X 316 Stainless Steel
R53 PanelView 300 Micro to Micrologix, 120 VAC	P-R53-H1R0	P-R53-H3R0	P-R53-H2R0	P-R53-M5R0	P-R53-M6R0
with 3Amp Circuit Breaker	P-R53-M1R3	P-R53-M3R3	P-R53-M2R3	P-R53-M5R3	P-R53-M6R3
R54 PanelView 300 Micro to Serial PLC, MicroLogix - PanelView 300-1400, 120VAC	P-R54-H1R0	P-R54-H3R0	P-R54-H2R0	P-R54-M5R0	P-R54-M6R0
with 3Amp Circuit Breaker	P-R54-M1R3	P-R54-M3R3	P-R54-M2R3	P-R54-M5R3	P-R54-M6R3
R55 Serial PLC - PanelView 300-1400, 120VAC	P-R55-H1R0	P-R55-H3R0	P-R55-H2R0	P-R55-M5R0	P-R55-M6R0
with 3Amp Circuit Breaker	P-R55-M1R3	P-R55-M3R3	P-R55-M2R3	P-R55-M5R3	P-R55-M6R3

FOR MORE INFORMATION VISIT GRACEPORT.COM OR CALL 1.800.280.9517

Warning: Verify an electrical conductor has been de-energized using an adequately rated test instrument before working on it. Follow appropriate Energy Control (Lockout/Tagout) procedures as per OSHA Subpart S.

GP-DSXC-DS-EN 2002

GRACE ENGINEERED PRODUCTS, INC

Designed to offer a convenient thru-door programming interface for MicroLogix/PanelView Systems. In most cases, the serial ports on these devices are used for programming and runtime communication. Without the DSX, programming involves: opening the panel door, unplugging the RUN Cable, then plugging in the programming cable. The GracePort® DSX Crossover Switch is installed between both devices and allows the user to program either the MicroLogix (Device #3) or the PanelView (device #2) from outside the control panel. When programming is completed, the user returns the interface to RUN mode.
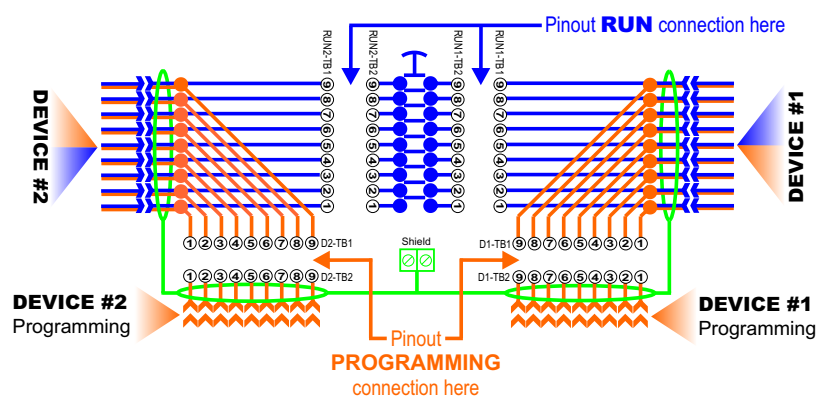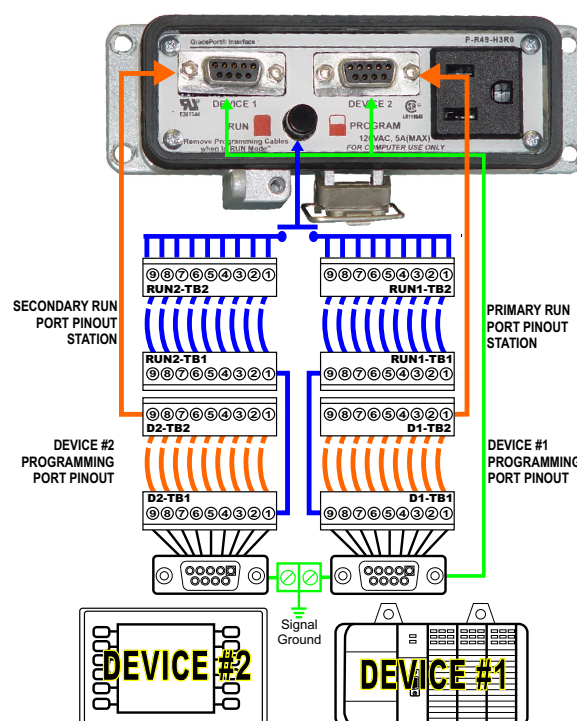
The Graceport® DSX comes fully configured with cables for each configuration as shown in table1. However, the DSX also has built in flexibility to configure the RUN pinouts and the PROGRAMMING port pinouts in six different places:
• Primary RUN Pinout Station
• Secondary RUN Pinout Station
• DEVICE#1 PROGRAMMING PORT Pinout Station
• DEVICE#2 PROGRAMMING PORT Pinout Station
• Configuration of DEVICE#1 RUN/PROGRAMMING CABLE
• Configuration of DEVICE#2 RUN/PROGRAMMING CABLE

HOW IT WORKS

Program Mode: The DSX disconnects the RUN connection (all 9 pins) between both devices. This makes both the DEVICE#1 and the DEVICE#2 programming ports fully accessible to the user from the outside of the panel.

Run Mode: The RUN connection is restored, thereby allowing both devices to communicate.

(1) Applicable Devices: This product is designed for use with PanelView 300-1400 and 300 Micro, Most Allen-Bradley serial PLC's: SLC 5/03, 5/04, 5/05 (Channel 0); ControlLogix (Channel 0); MicroLogix 1000, 1200, 1500LSP (8MDIN Channel); MicroLogix 1500LRP (Channel 0); CompactLogix (Channel 0); FlexLogix (Channel 0)

Note: Pinout/configurations for R53, R54 & R55 can be found at www.graceport.com

FOR MORE INFORMATION VISIT GRACEPORT.COM OR CALL 1.800.280.9517

GP-DSXC-DS-EN 2002

1515 East Kimberly Road • Davenport, IA • www.graceport.com • 1.800.280.9517

GRACE ENGINEERED PRODUCTS, INC