8 WIRE MODULAR SOLUTION
ELECTRI-PAK

WIRE POWER LIKE A PRO

ELECTRI-PAK SYSTEMS

ECA offers a complete line of modular electrical wiring systems which can be easily integrated into many panel and furniture designs. Available in 3 simplex (triplex) and 4 simplex (quad) single circuit and multi-circuit configurations, link multiple units together from one power infeed, in no particular order. A variety of mounting options are available, making the Modular Wiring Solution perfect for benching, workstations, and computer tables and retrofit applications.

ECA BY DEKKO

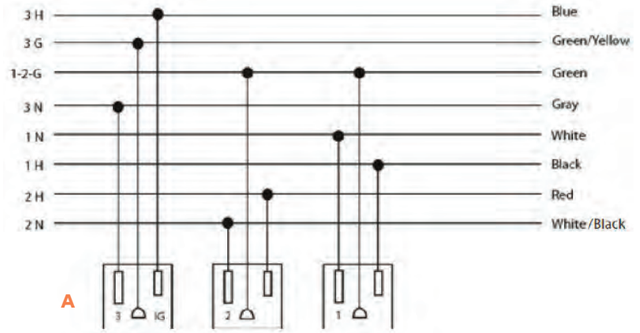
FEATURES:

Applications

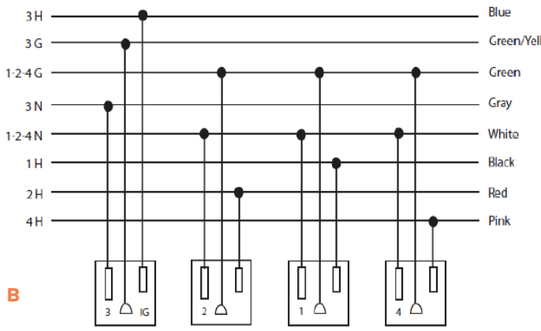
Side-mount
Under-mount
Panel systmes

Compatible Products

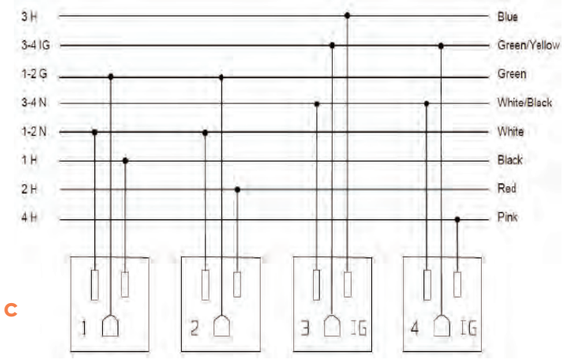
J-Channel
Sandbar
Power Blocks:
Triplex Single-Sided Type SA
Triplex Double-Sided Type AA
Double Duplex Single-Sided Type SA
Double Duplex Double-Sided Type AA



A



B



C

A | B | C

8 Wire 3 Circuit

- 3 Hots, 3 Neutrals, 3 Ground
- 3 Utility Circuits Share a #10AWG Super Neutral & Ground
- 3rd Circuit Dedicated Hot, Neutral, and Ground
- Compatible with Triplex & Quad Power Blocks

8 Wire 4 Circuit (3+1)

- 4 Hots, 4 Neutrals, 2 Grounds
- 2 Utility Circuits Share Neutral & Ground + 2 Isolated share a Neutral & Ground
- Compatible with Triplex and Quad Power Blocks

8 Wire 4 Circuit (2+2)

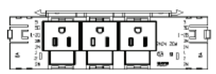
- 4 Hots, 2 Neutrals, 2 Grounds
- Common Neutral & Ground for each pair of Circuits (1-2 & 3-4)
- Compatible with Triplex & Quad Power Blocks

Components

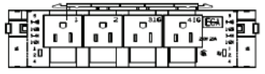
TriPlex Single-Sided Type SA

Quad Single-Sided Type SA

TriPlex Double-Sided Type AA



Quad Double-Sided Type AA



Multi-Circuit Starter Cables:
- SB2 hardwire
- AP1 single circuit

Interconnecting Cables:
- Female/Female
- Female/Male
- Male/Male
- Minimum Length 12"
- Rigid channels for connections less than 12" (CFF)

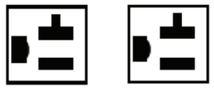
ECA BY DEKKO

8 WIRE, 3 CIRCUIT DOUBLE DUPLEX

EXTRA POSITION AVAILABLE.
2 UTILITY CIRCUITS EACH HAVE A NEUTRAL AND SHARE A GROUND.
3RD CIRCUIT HAS DEDICATED, HOT, NEUTRAL AND GROUND.

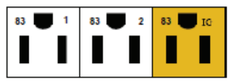
4 WIRE, 2 CIRCUIT DUPLEX

2 UTILITY CIRCUITS SHARE A NETURAL AND GROUND



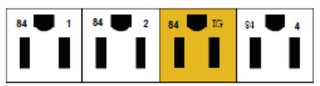
8 WIRE, 3 CIRCUIT TRIPLEX

2 UTILITY CIRCUITS EACH HAVE A NEUTRAL AND SHARE A GROUND.
3RD CIRCUIT HAS DEDICATED, HOT, NEUTRAL AND GROUND.



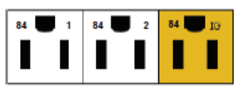
8 WIRE, 4 CIRCUIT DOUBLE DUPLEX

UTILITY CIRCUITS (1,2,4) SHARE A #10 AWG SUPER NEUTRAL AND SHARE A GROUND.
3RD CIRCUIT HAS DEDICATED, HOT, NEUTRAL AND GROUND.



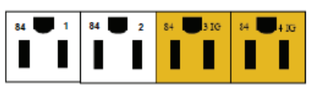
8 WIRE, 4 CIRCUIT TRIPLEX

3 UTILITY CIRCUITS (1,2,4) SHARE A #10 AWG SUPER NEUTRAL AND SHARE A GROUND.
3RD CIRCUIT HAS DEDICATED, HOT, NEUTRAL AND GROUND.



8 WIRE, 4 CIRCUIT (2+2) ISOLATED DOUBLE DUPLEX

2 UTILITY CIRCUITS HAVE A SHARED NEUTRAL AND GROUND.
2 DEDICATED CIRCUITS SHARE A NEUTRAL AND A GROUND.



DESCRIPTION	DIMENSIONS	PART NUMBER
Power Modules - Single Sided Triplex Type SA		
• 8 wire 3 circuit — 2 utility share ground + 1 isolated	7.96" x 1.03" x 2.35"	83 SA
• 8 wire 4 circuit — 3 utility share neutral and ground + 1 isolated	7.96" x 1.03" x 2.35"	84 SA
Note: Single sided power blocks ONLY compatible with size 150 receptacles		
Power Modules - Single Sided Double Duplex Type SA		
• 8 wire 3 circuit — 2 utility share ground + 1 isolated	9.30" x 1.03" x 2.35"	834 SA
• 8 wire 4 circuit — 3 utility share neutral and ground + 1 isolated	9.30" x 1.03" x 2.35"	844 SA
• 8 wire 4 circuit — 2 utility share neutral and ground + 2 isolated share neutral and ground	9.30" x 1.03" x 2.35"	8422 SA
Note: Single sided power blocks ONLY compatible with size 150 receptacles		
Power Modules - Single Sided Triplex Type SAE		
• 8 wire 3 circuit — 2 utility share ground + 1 isolated	7.07" X 1.03" X 2.84"	83 SAE
• 8 wire 4 circuit — 3 utility share neutral and ground + 1 isolated	7.07" X 1.03" X 2.84"	84 SAE
Note: Single sided power blocks ONLY compatible with size 150 receptacles		
Power Modules - Single Sided Double Duplex Type SAE		
• 8 wire 3 circuit — 2 utility share ground + 1 isolated	8.4" X 1.03" X 2.84"	834 SAE
• 8 wire 4 circuit — 3 utility share neutral and ground + 1 isolated	8.4" X 1.03" X 2.84"	844 SAE
• 8 wire 4 circuit — 2 utility share neutral and ground + 2 isolated share neutral and ground	8.4" X 1.03" X 2.84"	8422 SAE
Note: Single sided power blocks ONLY compatible with size 150 receptacles		

DESCRIPTION	DIMENSIONS	PART NUMBER
Power Modules - Double Sided Triplex Type AA		
• 8 wire 3 circuit — 2 utility share ground + 1 isolated	7.07" x 1.50" x 2.48"	83 AA
• 8 wire 4 circuit — 3 utility share neutral and ground + 1 isolated	7.07" x 1.50" x 2.48	84 AA
Note: Six simplexes required—all simplex sizes will fit in an AA block		
Power Modules - Double Sided Double Duplex Type AA		
• 8 wire 3 circuit — 2 utility share ground + 1 isolated	8.40" x 1.50" x 2.48"	834 AA
• 8 wire 4 circuit — 3 utility share neutral and ground + 1 isolated	8.40" x 1.50" x 2.48"	844 AA
• 8 wire 4 circuit — 2 utility share neutral and ground + 2 isolated share neutral and ground	8.40" x 1.50" x 2.48	8422 AA
Note: Eight simplexes required—all simplex sizes will fit in an AA block		
Simplexes- System 83		
• Circuit 1 black	Black	83 S1-BL-150
• Circuit 2 black	Black	83 S2-BL-150
• Circuit 3 black	Black	83 S3-BL-150
• Isolated Circuit orange	Orange	83 S3IG-OR-150
• Blank black	Black	83 SB-BL-150
Available sizes: 150, 175, 200, 225, 250, 275		
Change last 3 digits in the part number to specify simplex size. 150 is standard.		
Grey Simplexes Avaiable. Change "BL" in part number to "GR".		
Simplexes- System 84		
• Circuit 1 black	Black	84 S1-BL-150
• Circuit 2 black	Black	84 S2-BL-150
• Circuit 3 black	Black	84 S3-BL-150
• Circuit 4 black	Black	84 S4-BL-150
• Isolated Circuit orange	Orange	84 S3IG-OR-150
• Blank black	Black	84 SB-BL-150
Available sizes: 150, 175, 200, 225, 250, 275, 300, 325		
Change last 3 digits in the part number to specify simplex size. 150 is standard.		
Grey Simplexes Avaiable. Change "BL" in part number to "GR".		
Simplexes- System 8422		
• Circuit 1 black	Black	84 S1-BL-150
• Circuit 2 black	Black	84 S2-BL-150
• Circuit 3 black	Black	84 S3-BL-150
• Isolated Circuit 2 orange	Orange	84 S3IG-OR-150
• Isolated Circuit 4 orange	Orange	84 S4IG-OR-150
• Blank black	Black	84 SB-BL-150
Available sizes: 150, 175, 200, 225, 250, 275, 300, 325		
Change last 3 digits in the part number to specify simplex size. 150 is standard.		
Grey Simplexes Avaiable. Change "BL" in part number to "GR".		
Simplexes Removal Tool		
• Tool used to remove simplexes from power blocks	N/A	8 SR

DESCRIPTION	DIMENSIONS	PART NUMBER
Controlled Simplexes- System 83		
• Circuit 1 black	Black	83 S1CC-BL-150
• Circuit 2 black	Black	83 S2CC-BL-150
• Circuit 3 black	Black	83 S3CC-BL-150
Available sizes: 150, 175, 200, 225, 250, 275 Change last 3 digits in the part number to specify simplex size. 150 is standard. Grey Simplexes Avaiable. Change "BL" in part number to "GR".		
Controlled Simplexes- System 84		
• Circuit 1 black	Black	84 S1CC-BL-150
• Circuit 2 black	Black	84 S2CC-BL-150
• Circuit 3 black	Black	84 S3CC-BL-150
• Circuit 4 black	Black	84 S4CC-BL-150
Available sizes: 150, 175, 200, 225, 250, 275, 300, 325 Change last 3 digits in the part number to specify simplex size. 150 is standard. Grey Simplexes Avaiable. Change "BL" in part number to "GR".		
Controlled Simplexes- System 8422		
• Circuit 1 black	Black	84 S1CC-BL-150
• Circuit 2 black	Black	84 S2CC-BL-150
• Circuit 3 black	Black	84 S3CC-BL-150
• Circuit 4 black	Black	84 S4CC-BL-150
Available sizes: 150, 175, 200, 225, 250, 275, 300, 325 Change last 3 digits in the part number to specify simplex size. 150 is standard. Grey Simplexes Avaiable. Change "BL" in part number to "GR".		
Simplexes Removal Tool		
• Tool used to remove simplexes from power blocks	N/A	8 SR
Mounting Bracket for Power Modules		
• Low profile - secures the power module to the panel	N/A	MB
• U -Channel - secures the power module to the panel; accommodates panels with a higher wire management profile	N/A	MBM
• "I" Beam -Secures the power module to the panel; accommodates raceways with "I" beam conguration	N/A	CMBM
Junction Boxes		
• Junction Box, 4 Receptacles, 6 Knock Outs, 4 Key Slots, ETL Listed	Black	JCT-4P-B
• Junction Box with Cover, 6 Knock Outs, 4 Key Slots	Black	78 JB

Starter-Cable Quick Specs:

Flex Cable Lengths= 12" min- 180" max
SOW Cord= .59 round
4 Wire Diameter= 3/8" round Trade Size
8 Wire Diameter= 9/16" round Trade Size
Galvanized Steel; #10 AWG super neutral in 8 Wire 4 Circuit; #12 AWG in all other systems.
Insulation: THHN, THWN, rated 600 volts

DESCRIPTION	DIMENSIONS	PART NUMBER
Starter Options - Single Circuit		
• 4 wire system - female flex cable length with 24" SOW cord with 20 AMP plug	2.10" x 1.26" x .86"	42 20AP1-72
• 8 wire systems - female flex cable length with 24" SOW cord with 20 AMP plug	3.38" x 2.01" x .61"	83 20AP1-48-24 84 20AP1-48-24
15 Amp adapter cord is included for Canadian applications where only 15 Amp is required. Combined length of 24" SOW cord and Flex Cable cannot exceed 72".		
Starter Options - Multi-Circuit		
• 4 wire system - female flex cable length	2.10" x 1.26" x .86"	42 SB2-L*
• 8 wire systems - female flex cable length	3.38" x 2.01" x .61"	83 SB2-L* 84 SB2-L* 8422 SB2-L*
All circuits rated for 20 AMPs and are energized. Whip end connected to building power by electrician. Female end connects to ECA Power Modules *Lengths specified in inches		
Starter Options - Special Purpose Multi-Circuit		
• 8 wire systems - female flex cable length	3.38" x 2.01" x .61"	83 SB1-L* 84 SB1-L* 8422 SB1-L*
Used as Power Infeed in New York City. Circuits rated for 20 AMPs and are energized. Connected to building power by electrician *Lengths specified in inches		
Starter Options - Quick Disconnect		
• 4 & 8 wire systems - Fits into a standard decora plate opening. 42, 83, 84 FF cables plug into Quick Disconnect. Other end of FF cable plugs into Power Module.	4 11/16th	42 QD INSERT 83 QD 84 QD 8422 QD
4 11/16" junction box included with 83, 84, and 8422 systems. Textured Black finish on face plate.		

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Interconnecting-Cable Quick Specs:

Cable lengths available in 1" increments
4 Wire Diameter= 3/8" round Trade Size
8 Wire Diameter= 9/16" oval Trade Size
#10 AWG super neutral in 8 Wire 4 Circuit; #12 AWG
in all other systems
Metal Flex made of Galvanized Steel

DESCRIPTION	DIMENSIONS	PART NUMBER
Interconnecting Cables - (Used to interconnectone Power Module to the next) **Female/Female Metal Flex Cable**		
• 4 wire 2 circuit cable	4 Wire= 2.10" x 1.26" x .86"	42 FF-"L"
• 8 wire 3 circuit cable • 8 wire 4 circuit cable • 8 wire 4 circuit (2+2) cable	8 Wire= 3.38" x 2.01" x .61"	83 FF-"L" 84 FF-"L" 8422 FF-"L"
Also available in Male/Male—change "FF" in part number to "MM" **Min Length: 12" Max Length: 180"**		
Interconnecting Cables - (Connects to a starter cable or can be used as an extension to a Female/Female cable) **Female/Male Metal Flex Cable**		
• 4 wire 2 circuit cable	4 Wire= 1.94" x .86" x .86"	42 FF-"L"
• 8 wire 3 circuit cable • 8 wire 4 circuit cable • 8 wire 4 circuit (2+2) cable	8 Wire= 4.25" x 2.23" x .73"	83 FF-"L" 84 FF-"L" 8422 FF-"L"
Also available in Male/Male—change "FF" in part number to "MM" **Min Length: 12" Max Length: 180"**		
Interconnecting Cables - (Used to split an application into two directions as a "Y" coupler) **Female/Dual Male Metal Flex Cable**		
• 8 wire 3 circuit cable • 8 wire 4 circuit cable • 8 wire 4 circuit (2+2) cable	8 Wire= 4.25" x 2.23" x 1.43"	83 FD-"L" 84 FD-"L" 8422 FD-"L"
Also available in Male/Male—change "FF" in part number to "MM" **Min Length: 12" Max Length: 180"**		
Interconnecting Cables - (Connects two power modules together within a panel where multiple receptacles are required.) **Female/Female Rigid Channel**		
• 8 wire 3 circuit F/F Rigid Channel • 8 wire 4 circuit F/F Rigid Channel • 8 wire 4 circuit (2+2) cable F/F Rigid Channel	N/A	83 CFF-"L" 84 CFF-"L" 8422 CFF-"L"
Also available in Male/Male—change "FF" in part number to "MM" **Min Length: 1.50" Max Length: 12"**		