Power Transfers & Electrified Hinges

Overview
To meet the demand for electronic access control and locking solutions that require fast, easy, and cost-effective installation, ASSA ABLOY developed a variety of power transfer methods used to run power and data from the source to electrified door hardware or access control systems. Available with either ElectroLynx® connectors or standard wire leads, ASSA ABLOY power transfers and electrified hinges offer a secure, aesthetic way to power hardware in an easy, cost-effective manner.

Features and Benefits
- Makes it easy to bring power to the locking hardware
- Wires have connectors that snap together or leads
- Resists tampering – no external wires
- Improves the aesthetics of the opening

ASSA ABLOY ElectroLynx®
ASSA ABLOY Group brands use the ElectroLynx standardized plug-in connectors and color-coded wiring system. With ElectroLynx, doorway components come prewired for easy hookup to the power source. Key to any access control system are ASSA ABLOY power transfers that carry power and data, as necessary, from the frame to the locking hardware.

Hardwiring Made Easy®
Products Available
1  McKinney ElectroLynx® Quick Connect Hinge
2  McKinney ElectroLynx Power over Ethernet (PoE) Hinge
3  McKinney Concealed Circuit Electric Hinges
4  McKinney ElectroLynx Concealed Power Transfer Aluminum Geared Hinge
5  Pemko® ElectroLynx Concealed Power Transfer Aluminum Geared Hinge
6  McKinney ElectroLynx Concealed Power Transfer Pin and Barrel Hinge
7  Markar ElectroLynx Concealed Power Transfer Pin and Barrel Hinge
8  McKinney ElectroLynx PoE Pin and Barrel Hinge
9  Markar ElectroLynx PoE Pin and Barrel Hinge
10 SECURITRON® TSB C Door Cord
11 SECURITRON Electrical Power Transfer
12 SECURITRON Square-Cut Electrical Power Transfer
13 SECURITRON Concealed Electrical Power Transfer
14 SECURITRON PowerJump® ICPT Inductive Coupling Power Transfer
Overview
The McKinney ElectroLynx® hinge is an intermediate connector that passes a constant flow of current between the source of power and electrified devices in the door, regardless of door position. Each hinge features concealed plug connectors that eliminate the need for separate or exposed wiring. Brass eyelets add protection and durability to the ElectroLynx hinge, and common wire colors and standard connectors make installation quick and simple. Once installed, it will give no outward indication of its function and will transmit power efficiently and reliably, as long as the wire capacity is not exceeded.

Features and Benefits
- Available on standard and heavy weight full mortise bearing, swing-clear and wide throw hinges
- No external wires reduces tampering
- Available up to 12 wires
- Wires coordinate with other ASSA ABLOY Group brands' ElectroLynx products
- Optional MG-16 mortar guard available *(mortar guard required on steel frames)*
- Steel and Stainless Steel QC hinges are UL listed for use up to and including 3-hour rated openings
Electronic Specifications

**Electrical Rating**
- 4A at 24VAC or VDC continuous
- 16A pulse for 300ms
- 10A pulse for 250ms

**Molex Connectors**
- 8 position: QC2, QC4, QC6, QC8
- 8 position & 4 position: QC12

**Wire Gauge**
- 28 gauge

**Certifications**
- UL 3-hour listed

Product Options

<table>
<thead>
<tr>
<th>3-Knuckle</th>
<th>5-Knuckle</th>
</tr>
</thead>
<tbody>
<tr>
<td>TA314 Standard Weight</td>
<td>TA2134 Standard Weight</td>
</tr>
<tr>
<td>TA714 Standard Weight</td>
<td>TA2714 Standard Weight</td>
</tr>
<tr>
<td>TA386 Heavy Weight</td>
<td>T4A3386 Heavy Weight</td>
</tr>
<tr>
<td>TA786 Heavy Weight</td>
<td>T4A3786 Heavy Weight</td>
</tr>
<tr>
<td></td>
<td>TA2895</td>
</tr>
<tr>
<td></td>
<td>T4A3395 Heavy Weight Swing-Clear</td>
</tr>
<tr>
<td></td>
<td>T4A3795 Heavy Weight Swing-Clear</td>
</tr>
</tbody>
</table>

*Full Mortise QC hinges are available in most BHMA and McKinney powder coat finishes.*

McKinney Quick Connect Electric Hinges | How to Order

<table>
<thead>
<tr>
<th>Size</th>
<th>Model</th>
<th>Connector</th>
<th>Finishes</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-1/2&quot; x 4-1/2&quot;</td>
<td>TA314</td>
<td>QC4</td>
<td>626</td>
</tr>
</tbody>
</table>

Standard ElectroLynx® Retrofit Cable Sizes

<table>
<thead>
<tr>
<th>Actual Cable Length</th>
<th>12 Conductor and Molex both ends</th>
<th>12 Conductor and Molex one end, pinned one end</th>
<th>Typical Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>3&quot;</td>
<td>QC-C003</td>
<td>QC-C003P</td>
<td>Between hinge and the end of an exit device.</td>
</tr>
<tr>
<td>6&quot;</td>
<td>QC-C006</td>
<td>QC-C006P</td>
<td>Between hinge and through the door to the lockset or exit device trim.</td>
</tr>
<tr>
<td>12&quot;</td>
<td>QC-C012</td>
<td>QC-C012P</td>
<td></td>
</tr>
<tr>
<td>26&quot;</td>
<td>QC-C200</td>
<td>QC-C200P</td>
<td></td>
</tr>
<tr>
<td>32&quot;</td>
<td>QC-C206</td>
<td>QC-C206P</td>
<td></td>
</tr>
<tr>
<td>38&quot;</td>
<td>QC-C300</td>
<td>QC-C300P</td>
<td></td>
</tr>
<tr>
<td>44&quot;</td>
<td>QC-C306</td>
<td>QC-C306P</td>
<td></td>
</tr>
<tr>
<td>50&quot;</td>
<td>QC-C400</td>
<td>QC-C400P</td>
<td></td>
</tr>
<tr>
<td>15’2”</td>
<td>QC-C1500</td>
<td>QC-C1500P</td>
<td>From the hinge location, up the jamb to above the ceiling, or up and around full lite or half lite metal door.</td>
</tr>
<tr>
<td>25”</td>
<td>—</td>
<td>QC-C2500P</td>
<td></td>
</tr>
<tr>
<td>30”</td>
<td>—</td>
<td>QC-C3000P</td>
<td></td>
</tr>
</tbody>
</table>

Custom lengths available.
McKinney Power over Ethernet (PoE) Hinges

Overview
The McKinney ElectroLynx® PoE hinge enables Ethernet data to be passed from jamb to PoE-enabled products on the door. Installation is a snap with the friendly “plug and play” connectors, which allow power to be linked from the incoming source through the door to the electrified hardware.

Features and Benefits
- Available on 4-1/2” and 5” standard weight and heavy weight 5-knuckle hinges
- Coordinates with intelligent PoE hardware from ASSA ABLOY Group brands Corbin Russwin® and Sargent
- Brass eyelets add protection and durability to the PoE hinge, which features common wire colors coordinated to work with intelligent PoE electromechanical hardware from Corbin Russwin® and Sargent®.
- No external wires minimize tampering
- PoE harnesses must be ordered separately to complete the opening
- Each hinge features two 6 position and two 4-position Molex connectors
Electronic Specifications

**Electrical Rating**
361 mA continuous at 57 volts DC

**Molex Connectors**
(2) 6-position and (2) 4-position per hinge

**Wire Gauges**
(2) Twisted pairs: 26AWG
(4) Straight conductors: 28AWG
(1) Straight conductor: 24AWG

**Wiring Configurations**
- **Power over Data (5 wire):** Power and data supplied together over the 2 twisted pairs and the 24AWG conductor for the earth ground connection
- **Data with Power over spares (9 wire):** Data over 2 twisted pairs with power over 4 straight conductors and the 24AWG conductor for the earth ground connection

**Certifications**
cUL Listed

McKinney Power over Ethernet (PoE) Hinges | How to Order

<table>
<thead>
<tr>
<th>Size</th>
<th>Model</th>
<th>Options</th>
<th>Finishes</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-1/2&quot; x 4-1/2&quot;</td>
<td>TA2314</td>
<td>PoE</td>
<td>626</td>
</tr>
</tbody>
</table>

ElectroLynx® Power over Ethernet Harnesses

- Molex with JST Connector
- Molex with RJ-45 Loose
- Molex with RJ-45 Attached

McKinney Catalog #

<table>
<thead>
<tr>
<th>Harness Length</th>
<th>McKinney Catalog #</th>
<th>5-Knuckle</th>
</tr>
</thead>
<tbody>
<tr>
<td>30&quot;</td>
<td>PoE-C206P</td>
<td>TA2314 Standard Weight (stainless steel)</td>
</tr>
<tr>
<td>36&quot;</td>
<td>PoE-C300P</td>
<td>TA2714 Standard Weight (steel)</td>
</tr>
<tr>
<td>42&quot;</td>
<td>PoE-C306P</td>
<td>T4A3386 Heavy Weight (stainless steel)</td>
</tr>
<tr>
<td>48&quot;</td>
<td>PoE-C400P</td>
<td>T4A3786 Heavy Weight (steel)</td>
</tr>
</tbody>
</table>

Full Mortise PoE hinges are available in most BHMA and McKinney powder coat finishes.

EPT Harness

<table>
<thead>
<tr>
<th>Frame Side Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Door Harness Assembly</td>
</tr>
<tr>
<td>EPT Harness</td>
</tr>
</tbody>
</table>

Custom Lengths Available

- From the hinge location, up the jamb to wall/ceiling
Overview
McKinney Concealed Circuit (CC) electric hinges allow a constant flow of current from the power source through the hinge to electrified door hardware. No external wires can be seen, eliminating disruption of power due to tampering or disconnection, and improving the aesthetics of the opening. This allows operation of devices requiring power such as electric locks, electric strikes, and electric latch retraction exit devices.

Features and Benefits
- Available with most 2-, 3-, and 5-knuckle bearing hinges
- Available with 2, 4, 6, 8, 10 or 12 wires
- Wires are contained within the hinge- invisible and tamperproof
Electronic Specifications

**Input Voltage**
- 4 amp continuous at 24 volts AC or DC
- 16 amp pulse for 300 msec. (cycle time not less than 5 sec.)
- 10 amp pulse for 250 msec. (cycle time not less than 2 sec.)

**Output Voltage**
- 4 amp continuous at 24 volts AC or DC
- 16 amp pulse for 300 msec. (cycle time not less than 5 sec.)
- 10 amp pulse for 250 msec. (cycle time not less than 2 sec.)

**Wire Gauges**
- CC option has 28 gauge wire
- CC-18 option has 2 18 gauge wires and the remainder 28 gauge wire

**Certifications**
- cUL Listed

McKinney Concealed Circuit Electric Hinges | How to Order

<table>
<thead>
<tr>
<th>Model</th>
<th>Size</th>
<th>Hinge Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>TA2714</td>
<td>4-1/2” x 4-1/2”</td>
<td>QC12</td>
</tr>
</tbody>
</table>

Models

Available on most 2-, 3-, and 5-knuckle hinges

28-Gauge Wire Options

<table>
<thead>
<tr>
<th>Suffix</th>
<th>Wires</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>CC2</td>
<td>2</td>
<td>1 circuit</td>
</tr>
<tr>
<td>CC4</td>
<td>4</td>
<td>2 circuits</td>
</tr>
<tr>
<td>CC6</td>
<td>6</td>
<td>3 circuits</td>
</tr>
<tr>
<td>CC8</td>
<td>8</td>
<td>4 circuits</td>
</tr>
<tr>
<td>CC10</td>
<td>10</td>
<td>5 circuits</td>
</tr>
<tr>
<td>CC12</td>
<td>12</td>
<td>6 circuits</td>
</tr>
</tbody>
</table>

Heavy Duty Wire Options

<table>
<thead>
<tr>
<th>Suffix</th>
<th>Wires</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>CC2-18</td>
<td>2</td>
<td>1 circuit</td>
</tr>
<tr>
<td>CC4-18</td>
<td>4</td>
<td>2 circuits</td>
</tr>
<tr>
<td>CC6-18</td>
<td>6</td>
<td>3 circuits</td>
</tr>
<tr>
<td>CC8-18</td>
<td>8</td>
<td>4 circuits</td>
</tr>
<tr>
<td>CC10-18</td>
<td>10</td>
<td>5 circuits</td>
</tr>
</tbody>
</table>
Overview

McKinney full mortise continuous hinges bond the door and frame into an integrated unit and present a streamlined, no-gap surface, affording privacy, safety and outstanding performance. The high load capacity of these hinges makes them ideal for use on high-frequency openings and where hinges are subject to abuse.

Electrified continuous hinges are available in two options, depending on level of service desired at the opening. Both of these options are available as 4, 8 or 12 wire configurations.

Serviceable/Removable (SER) Option

The hinge comes in three sections, allowing the section with the wires to be serviced or replaced without removing the door from the frame. Additionally the SER option allows the wires to be safely stored or delivered to the electrician or security contractor prior to the installation of the electrified hardware.

Accessible (ACC) Option

The hinge comes as a single section with each leaf able to pivot at the location of the wires to allow access. Electrical modification is in the center of the hinge.

Features and Benefits

- Performance tested 3,000,000 cycles with TRI-FLEX titanium copper alloy cables
- TRI-FLEX cable conductor is warranted for 5 years
- Handed

- Extruded 6063-T6 aluminum alloy/temper
- Available on edge hung aluminum continuous hinges
- Standardized prep locations on 83°, 85°, 95° and 120° hinges (SER option)
Electronic Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Voltage</td>
<td>6A continuous at 24VDC</td>
</tr>
<tr>
<td></td>
<td>16A inrush for 820ms</td>
</tr>
<tr>
<td>Output Voltage</td>
<td>6A continuous at 24VDC</td>
</tr>
<tr>
<td></td>
<td>16A inrush for 820ms</td>
</tr>
<tr>
<td>Molex Connectors</td>
<td>4, 8 or 12 pin</td>
</tr>
<tr>
<td>Wire Gauges</td>
<td>22 gauge</td>
</tr>
<tr>
<td>Certifications</td>
<td>cUL Listed</td>
</tr>
</tbody>
</table>

McKinney Electrified Continuous Geared Hinge | How to Order

<table>
<thead>
<tr>
<th>Model</th>
<th>Hinge Length</th>
<th>Finishes</th>
<th>Electrical Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCK25HD</td>
<td>83</td>
<td>C</td>
<td>SER8</td>
</tr>
</tbody>
</table>

Models

- MCK12HD Full Mortise Short Leaf Flush
- K-MCK12HD Full Mortise Kawneer Tuffline
- MCK14HD Full Mortise Short Leaf Inset
- MCK25HD Full Mortise

Lengths

<table>
<thead>
<tr>
<th>Door Size</th>
<th>Hinge Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>6’ 8”</td>
<td>79”</td>
</tr>
<tr>
<td>7’ 0”</td>
<td>83”</td>
</tr>
<tr>
<td>7’ 2”</td>
<td>85”</td>
</tr>
<tr>
<td>8’ 0”</td>
<td>95”</td>
</tr>
<tr>
<td>10’ 0”</td>
<td>120”</td>
</tr>
</tbody>
</table>

Electrical Options

- ACC4  Accessible 4 wire
- ACC8  Accessible 8 wire
- ACC12 Accessible 12 wire
- SER4  Serviceable 4 wire
- SER8  Serviceable 8 wire
- SER12 Serviceable 12 wire

Finishes

- C  Clear Anodized Aluminum
- B  Dark Anodized Aluminum
- BL Black Anodized
Pemko® Electrified Continuous Geared Hinge

Overview
Pemko continuous hinges bond the door and frame into an integrated unit and present a streamlined, no-gap surface, affording privacy, safety and outstanding performance. The high load capacity of these hinges makes them ideal for use on high-frequency openings and where hinges are subject to abuse.

Electrified continuous hinges are available in three options, depending on level of service desired at the opening. Any of these options are available as 4, 8 or 12 wire configurations.

Quick Connect (QC) Option
The hinge comes as a single section. Electrical modification is in the center of the hinge (except 83" hinge).

Serviceable/Removable (SER) Option
The hinge comes in three sections, allowing the section with the wires to be serviced or replaced without removing the door from the frame. Additionally the SER option allows the wires to be safely stored or delivered to the electrician or security contractor prior to the installation of the electrified hardware. Standard electrical modification is in the center of the hinge. Custom locations are available.

Accessible (ACC) Option
The hinge comes as a single section with each leaf able to pivot at the location of the wires to allow access. Standard electrical modification is in the center of the hinge. Custom locations are available.

Features and Benefits
- Performance tested 3,000,000 cycles with TRI-FLEX titanium copper alloy cables
- TRI-FLEX cable conductor is warranted for 5 years
- Handed
- Extruded 6063-T6 aluminum alloy/temper
- Available on edge hung aluminum continuous hinges
## Specifications

| Input Voltage          | 6A continuous at 24VDC  
|                       | 16A inrush for 820ms  |
| Output Voltage        | 6A continuous at 24VDC  
|                       | 16A inrush for 820ms  |
| Molex Connectors      | 4, 8 or 12 pin  |
| Wire Gauges           | 22 gauge  |
| Certifications        | cUL Listed  |

## Pemko® Electrified Continuous Geared Hinge | How to Order

<table>
<thead>
<tr>
<th>Finishes</th>
<th>Model</th>
<th>Hinge Length</th>
<th>Duty</th>
<th>Electrical Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>C</td>
<td>FM</td>
<td>83</td>
<td>HD1</td>
<td>SER12</td>
</tr>
</tbody>
</table>

### Models

<table>
<thead>
<tr>
<th>FM</th>
<th>Full Mortise</th>
</tr>
</thead>
<tbody>
<tr>
<td>FMSLF</td>
<td>Full Mortise Short Leaf Inset</td>
</tr>
<tr>
<td>KFM</td>
<td>Kawneer Full Mortise</td>
</tr>
<tr>
<td>FS</td>
<td>Full Surface</td>
</tr>
<tr>
<td>FSBP</td>
<td>Full Surface Balanced Pivot</td>
</tr>
<tr>
<td>FSCP</td>
<td>Full Surface Center Pivot</td>
</tr>
<tr>
<td>Other models available</td>
<td></td>
</tr>
</tbody>
</table>

### Lengths

<table>
<thead>
<tr>
<th>Door Size</th>
<th>Hinge Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>6' 8&quot;</td>
<td>79&quot;</td>
</tr>
<tr>
<td>7' 0&quot;</td>
<td>83&quot;</td>
</tr>
<tr>
<td>7' 2&quot;</td>
<td>85&quot;</td>
</tr>
<tr>
<td>8' 0&quot;</td>
<td>95&quot;</td>
</tr>
<tr>
<td>10' 0&quot;</td>
<td>120&quot;</td>
</tr>
</tbody>
</table>

### Finishes

- C (Clear Anodized Aluminum)
- B (Dark Anodized Aluminum)
- BL (Black Anodized)

### Duty

- Blank (Standard Duty)
- HD1 (Heavy Duty 1)
- HD3 (Heavy Duty 3)
- 1100 (Extreme Duty)

### Electrical Option

- QC4 (Quick Connect 4 wires)
- QC8 (Quick Connect 8 wires)
- QC12 (Quick Connect 12 wires)
- ACC4 (Accessible 4 wires)
- ACC8 (Accessible 8 wires)
- ACC12 (Accessible 12 wires)
- SER4 (Serviceable 4 wires)
- SER8 (Serviceable 8 wires)
- SER12 (Serviceable 12 wires)
- CM (Concealed Monitor)
Overview

McKinney stainless steel pin and barrel hinge is used on many of today’s high-traffic, high-abuse doors. The hinge works well in locations that would normally call out for anchor hinges, pivot reinforcement hinges or thrust pivot unit and hinge sets.

Because the full height of the door is supported, it stays perfectly aligned, reducing stress on installed hardware. This hinge saves on special door and frame preparation charges and makes the installer’s job easier. It can be used on both fire labeled and non-labeled openings.

Features and Benefits

- 3/16” diameter barrel type, stainless steel pin
- Heavy-duty 304 stainless steel and zinc plated steel
- Symmetrically templated hole pattern
- Standard with ElectroLynx® connectors
- Supports up to 600 lbs. (FM300 & FM3700) or 900 lbs. (FM3500)
- cUL and UL 10C rated
Specifications

**Input Voltage**
6A continuous at 24VDC
16A inrush for 820ms

**Output Voltage**
6A continuous at 24VDC
16A inrush for 820ms

**Molex Connectors**
4, 8 or 12 pin

**Wire Gauges**
22 & 26 gauge

**Certifications**
cUL Listed

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**McKinney Electrified Continuous Pin & Barrel Hinges | How to Order**

<table>
<thead>
<tr>
<th>Model</th>
<th>Length</th>
<th>Hinge Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCKFM300</td>
<td>83</td>
<td>TAP12</td>
</tr>
</tbody>
</table>

**Models**
- MCKFM3500 Edge Mount
- MCKFM300 Edge Mount
- MCKFM200 Edge Mount
- MCKFM100 Edge Mount
- MCKHG3505 Hinge Guard
- MCKHG305 Hinge Guard
- MCKHG315 Hinge Guard
- MCKFM300WT Wide Throw Edge Mount

**Lengths**

<table>
<thead>
<tr>
<th>Door Size</th>
<th>Hinge Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>6' 8&quot;</td>
<td>79-3/16&quot;</td>
</tr>
<tr>
<td>7' 0&quot;</td>
<td>83-1/8&quot;</td>
</tr>
<tr>
<td>7' 2&quot;</td>
<td>85-1/8&quot;</td>
</tr>
<tr>
<td>8' 0&quot;</td>
<td>95&quot;</td>
</tr>
<tr>
<td>10' 0&quot;</td>
<td>118-3/4&quot;</td>
</tr>
</tbody>
</table>

**Finishes**
- 630/US32D Brushed Stainless Steel
- Zinc Plated Carbon Steel

**Material**
- 3700 14 ga. Zinc Plated Steel
- 3500 12 ga. 304 Stainless Steel
- 300 14 ga. 304 Stainless Steel

**Electrical Option**
- EL4 Electrolynx® Connector 4 wire
- EL8 Electrolynx Connector 8 wire
- EL12 Electrolynx Connector 12 wire
- TAP4 Electrical Transfer Access Prep 4 wire
- TAP8 Electrical Transfer Access Prep 8 wire
- TAP12 Electrical Transfer Access Prep 12 wire
Markar Electrified Continuous Pin & Barrel Hinges

Overview
Markar stainless steel pin and barrel hinge is used on many of today’s high-traffic, high-abuse doors. The hinge works well in locations that would normally call out for anchor hinges, pivot reinforcement hinges or thrust pivot unit and hinge sets.

Because the full height of the door is supported, it stays perfectly aligned, reducing stress on installed hardware. This hinge saves on special door and frame preparation charges and makes the installer’s job easier. It can be used on both fire labeled and non-labeled openings.

Features and Benefits
- 3/16" diameter barrel type, stainless steel pin
- Heavy-duty 304 stainless steel, zinc plated steel and 6063-T6 aluminum
- Symmetrically templated hole pattern
- Standard with ElectroLynx® connectors
- Supports up to 600 lbs. (300, 200 and 100 Series) or 900 lbs. (3500 Series)
- cUL and UL 10C rated
Specifications

Input Voltage
6A continuous at 24VDC
16A inrush for 820ms

Output Voltage
6A continuous at 24VDC
16A inrush for 820ms

Molex Connectors
4, 8 or 12 pin

Wire Gauges
22 & 26 gauge

Certifications
cUL Listed

Markar Electrified Continuous Pin & Barrel Hinges | How to Order

<table>
<thead>
<tr>
<th>Model</th>
<th>Length</th>
<th>Hinge Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>FM300</td>
<td>95</td>
<td>TAP12</td>
</tr>
</tbody>
</table>

Models
FM3500 Edge Mount
FM300 Edge Mount
FM200 Edge Mount
FM100 Edge Mount
HG3505 Hinge Guard
HG305 Hinge Guard
HG315 Hinge Guard
FM300WT Wide Throw Edge Mount

Lengths

<table>
<thead>
<tr>
<th>Door Size</th>
<th>Hinge Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>6' 8&quot;</td>
<td>79-3/16&quot;</td>
</tr>
<tr>
<td>7' 0&quot;</td>
<td>83-1/8&quot;</td>
</tr>
<tr>
<td>7' 2&quot;</td>
<td>85-1/8&quot;</td>
</tr>
<tr>
<td>8' 0&quot;</td>
<td>95&quot;</td>
</tr>
<tr>
<td>10' 0&quot;</td>
<td>118-3/4&quot;</td>
</tr>
</tbody>
</table>

Electrical Option
EL4 ElectroLynx® Connector 4 wire
EL8 ElectroLynx Connector 8 wire
EL12 ElectroLynx Connector 12 wire
TAP4 Electrical Transfer Access Prep 4 wire
TAP8 Electrical Transfer Access Prep 8 wire
TAP12 Electrical Transfer Access Prep 12 wire
AMS Adjustable Monitoring Switch

Finishes
630/US32D Brushed Stainless Steel
C 628 Clear Anodized
D 313 Dark Bronze Anodized
Zinc Plated Carbon Steel

Material
3500 Series 12 ga. 304 Stainless Steel
600 Series 14 ga. 316 Stainless Steel
300 Series 14 ga. 304 Stainless Steel
200 Series 14 ga. Zinc Plated Steel
100 Series 6063-T6 Aluminum
McKinney Power over Ethernet (PoE) Continuous Pin & Barrel Hinge

Overview
McKinney ElectroLynx® PoE hinge enables transfer of Ethernet data and power through the hinge and door to the electrified PoE hardware. Installation is a snap with the friendly “plug and play” connectors, which allow power to be linked from the incoming source through the door to the electrified hardware.

The PoE hinge features common wire colors coordinated to work with intelligent PoE electromechanical hardware from Corbin Russwin® and Sargent®.

Features and Benefits
• Coordinates with intelligent PoE hardware from ASSA ABLOY Group brands Corbin Russwin and Sargent
• Each hinge features two 6-position and two 4-position Molex connectors
• The Electrical Transfer Access Prep (ETAP) is included, allowing easier access to wiring and making installation even faster
• No external wires minimize tampering
• PoE interface cable must be ordered separately to complete the opening
Specifications

Input Voltage  
6A continuous at 24VDC  
16A inrush for 820ms

Output Voltage  
6A continuous at 24VDC  
16A inrush for 820ms

Molex Connectors  
9 pin

Wire Gauges  
(2) Twisted pairs: 26AWG  
(2) Twisted pairs: 28AWG  
(1) Straight conductor: 24AWG

Certifications  
cUL Listed

Configuration  
Power over Data (5 wire): Power and data supplied together over the 2 twisted pairs and the 24AWG conductor for the earth ground connection.  
Data with Power over spares (9 wire): Data over 2 twisted pairs with power over 2 twisted pairs and the 24AWG conductor for the earth ground connection.

McKinney Power over Ethernet (PoE) Continuous Pin & Barrel Hinge | How to Order

<table>
<thead>
<tr>
<th>Model</th>
<th>Length</th>
<th>Hinge Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCKFM300</td>
<td>83</td>
<td>PoE</td>
</tr>
</tbody>
</table>

Models

MCKFM3500 Edge Mount  
MCKFM3700 Edge Mount  
MCKFM300 Edge Mount  
MCKHG3505 Hinge Guard  
MCKHG305 Hinge Guard  
MCKHG315 Hinge Guard

Lengths

<table>
<thead>
<tr>
<th>Door Size</th>
<th>Hinge Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>6’ 8”</td>
<td>79-3/16”</td>
</tr>
<tr>
<td>7’ 0”</td>
<td>83-1/8”</td>
</tr>
<tr>
<td>7’ 2”</td>
<td>85-1/8”</td>
</tr>
<tr>
<td>8’ 0”</td>
<td>95”</td>
</tr>
<tr>
<td>10’ 0”</td>
<td>118-3/4”</td>
</tr>
</tbody>
</table>

Finishes

<table>
<thead>
<tr>
<th>630/US32D</th>
<th>Brushed Stainless Steel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc Plated Carbon Steel</td>
<td></td>
</tr>
</tbody>
</table>

Material

3500 Series 12 ga. 304 Stainless Steel  
600 Series 14 ga. 316 Stainless Steel  
300 Series 14 ga. 304 Stainless Steel  
3700 Series 14 ga. Zinc Plated Steel
Markar Power over Ethernet (PoE) Continuous Pin & Barrel Hinge

Overview
Markar ElectroLynx® PoE hinge enables transfer of Ethernet data and power through the hinge and door to the electrified PoE hardware. Installation is a snap with the friendly “plug and play” connectors, which allow power to be linked from the incoming source through the door to the electrified hardware.

The PoE hinge features common wire colors coordinated to work with intelligent PoE electromechanical hardware from Corbin Russwin® and Sargent®.

Features and Benefits
- Coordinates with intelligent PoE hardware from ASSA ABLOY Group brands Corbin Russwin and Sargent
- Each hinge features two 6-position and two 4-position Molex connectors
- The Electrical Transfer Access Prep (ETAP) is included, allowing easier access to wiring and making installation even faster
- No external wires minimize tampering
- PoE interface cable must be ordered separately to complete the opening
Specifications

Input Voltage
6A continuous at 24VDC
16A inrush for 820ms

Output Voltage
6A continuous at 24VDC
16A inrush for 820ms

Molex Connectors
9 pin

Wire Gauges
(2) Twisted pairs: 26AWG
(2) Twisted pairs: 28AWG
(1) Straight conductor: 24AWG

Certifications
cUL Listed

Configuration
Power over Data (5 wire): Power and data supplied together over the 2 twisted pairs and the 24AWG conductor for the earth ground connection.
Data with Power over spares (9 wire): Data over 2 twisted pairs with power over 2 twisted pairs and the 24AWG conductor for the earth ground connection.

Markar Power over Ethernet (PoE) Continuous Pin & Barrel Hinge | How to Order

<table>
<thead>
<tr>
<th>Model</th>
<th>Length</th>
<th>Hinge Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>FM300</td>
<td>83</td>
<td>PoE</td>
</tr>
</tbody>
</table>

Models

FM3500 Edge Mount
FM300 Edge Mount
FM200 Edge Mount
FM100 Edge Mount
HG3505 Hinge Guard
HG305 Hinge Guard
HG315 Hinge Guard
FM300WT Wide Throw Edge Mount

Lengths

<table>
<thead>
<tr>
<th>Door Size</th>
<th>Hinge Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>6' 8&quot;</td>
<td>79-3/16&quot;</td>
</tr>
<tr>
<td>7' 0&quot;</td>
<td>83-1/8&quot;</td>
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<tr>
<td>7' 2&quot;</td>
<td>85-1/8&quot;</td>
</tr>
<tr>
<td>8' 0&quot;</td>
<td>95&quot;</td>
</tr>
<tr>
<td>10' 0&quot;</td>
<td>118-3/4&quot;</td>
</tr>
</tbody>
</table>

Finishes

630/US32D Brushed Stainless Steel
C 628 Clear Anodized
D 313 Dark Bronze Anodized

Material

3500 Series 12 ga. 304 Stainless Steel
600 Series 14 ga. 316 Stainless Steel
300 Series 14 ga. 304 Stainless Steel
200 Series 14 ga. Zinc Plated Steel
100 Series Aluminum

Electrical Option

PoE Power over Ethernet
Overview
The TSB – Door Cord is the simplest and most economical solution for power transfer between a door frame and the door. It is designed with an armored stainless steel cable and mounting caps for ease of installation.

Features and Benefits
- Flexible armored stainless steel cable conduit with plastic end caps
- Maximum flexibility for installation site on door/frame
- Includes both gray and black end caps
- Interior diameter: 1/4” (6 mm)
- MagnaCare® lifetime replacement, no-fault warranty
Specifications

**Compatibility**
Flexible armored stainless steel cable conduit with plastic end caps has an interior diameter of 1/4" (6 mm)

**Certifications**
UL 10C fire-rated; ANSI A250.13 (+/- 150 psf) windstorm listed; Florida Building Code approved; ULC-S318 listed

Product Options

18" (460 mm) length

36" (920 mm) length

Securitron® TSB-C Door Cord | How to Order

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSB-C</td>
<td>TSB – 18’ Door Cord with Caps, Gray/Black</td>
</tr>
<tr>
<td>TSB-CXL</td>
<td>TSB – 36’ Door Cord with Caps, Gray/Black</td>
</tr>
</tbody>
</table>

Dimensions

![Dimensions Diagram]

Finishes

| 630 | Satin Stainless Steel, with plastic end caps |

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SECURITRON®
Electrical Power Transfer

Overview
The EPT Electric Power Transfer provides concealed, secure power and data conduit between a frame and door, transmitting power to electrified locks, exit bars and more. Its durable stamped steel housing and flexible spring steel conduit make the EPT suitable for most types of swinging doors with butt or continuous hinges or pivot hinges up to 3/4” (19.1 mm) offset. The EPT-SC accommodates swing-clear hinges and most pivot hinges.

Features and Benefits
- Installs in the door and frame edges
- Flexible steel shield protects wire bundles up to 5/16” (7.9 mm) thick
- Works with almost any type butt hinge, continuous hinges and some pivot hinges
- Rounded mounting tabs
- MagnaCare® lifetime replacement, no-fault warranty
Specifications

Current Limit
1A at 12V or 24V - AC or DC

Compatibility
Flexible steel shield protects wire bundles up to 5/16” thick; Interior flex shield 3/8” (9.5 mm)

Certifications
UL 10C fire-rated; CAN4-S104 (ULC-S104) fire door conformant; ANSI A250.13 (+/- 60 psf) windstorm listed; UL 634 listed (EL-EPT/EL-EPTL); ULC/ORD-C634 (EL-EPT/EL-EPTL)

Product Options

<table>
<thead>
<tr>
<th>Description</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPT – Standard Version</td>
<td>625 Bright Chromium Plated</td>
</tr>
<tr>
<td>EPT – Long Version</td>
<td></td>
</tr>
<tr>
<td>EPT – Swing-Clear, Standard Version</td>
<td></td>
</tr>
<tr>
<td>EPT – Standard Version, ElectroLynx</td>
<td></td>
</tr>
<tr>
<td>EPT – Long Version, ElectroLynx</td>
<td></td>
</tr>
<tr>
<td>EPT – Swing-Clear, Standard Version, ElectroLynx</td>
<td></td>
</tr>
<tr>
<td>ElectroLynx® compatible including 12-22AWG wires, ElectroLynx connectors</td>
<td></td>
</tr>
</tbody>
</table>

Securitron® Electrical Power Transfer | How to Order

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPT</td>
<td>EPT – Standard Version</td>
</tr>
<tr>
<td>EPTL</td>
<td>EPT – Long Version</td>
</tr>
<tr>
<td>EPT-SC</td>
<td>EPT – Swing-Clear, Standard Version</td>
</tr>
<tr>
<td>EL-EPT</td>
<td>EPT – Standard Version, ElectroLynx</td>
</tr>
<tr>
<td>EL-EPTL</td>
<td>EPT – Long Version, ElectroLynx</td>
</tr>
<tr>
<td>EL-EPT-SC</td>
<td>EPT – Swing-Clear, Standard Version, ElectroLynx</td>
</tr>
</tbody>
</table>

Dimensions

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>9.8” (249 mm)</td>
<td></td>
</tr>
<tr>
<td>12.72” (323 mm)</td>
<td></td>
</tr>
<tr>
<td>18.07” (459 mm)</td>
<td></td>
</tr>
<tr>
<td>21.38” (543 mm)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>8” (22 mm)</td>
<td></td>
</tr>
<tr>
<td>88” (22 mm)</td>
<td></td>
</tr>
<tr>
<td>67” (17 mm)</td>
<td></td>
</tr>
</tbody>
</table>
Overview
The SEPT offers concealed, secure conduit for power and data transfer between a frame and door. This unit is designed with a stamped steel housing and spring steel conduit to protect power and data wires. The square mounting tabs provide easier installation for recessed installation. The SEPT can be used on swing doors with butt hinges, continuous hinges or pivots with less than 3/4” (19.1 mm) offset.

Features and Benefits
- Heavy-duty design
- Installs in the door and frame edges
- Flexible steel shield protects wires – 1/4” (6.4 mm) inside diameter
- Works with almost any type of butt hinge or continuous hinge
- MagnaCare® lifetime replacement, no-fault warranty
Specifications

Current Limit

- SEPT: no wires furnished
- SEPT-10: (2) 18AWG max 5A; (8) 22AWG max 1A
- EL-SEPT: (1) 22AWG max 1A
- SEPT-C5e: (8) 24AWG max 1A; (1) 22AWG max 1A (ground)

Certifications

- UL 10C fire-rated; CAN4-S104 (ULC-S104) fire door conformant;
- ANSI A250.13 (+/- 150 psf) windstorm listed

Product Options

- **SEPT-10**
  Includes 8-22AWG wires plus 2-18AWG wires for higher-current devices

- **SEPT-C5E CAT5E**
  Compatible with 9-22AWG wire stranded conductor, Molex connectors

- **EL-SEPT**
  Electrolynx® compatible with 12-22AWG Wires, Electrolynx connectors

Securitron® Square-Cut Electrical Power Transfer | How to Order

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SEPT</td>
<td>Electrical Power Transfer Square – Cut Standard Version</td>
</tr>
<tr>
<td>SEPT-10</td>
<td>Electrical Power Transfer Square – 10 Wire</td>
</tr>
<tr>
<td>SEPT-C5E</td>
<td>Electrical Power Transfer Square – CAT5E Compatible</td>
</tr>
<tr>
<td>EL-SEPT</td>
<td>Electrical Power Transfer Square – Electrolynx</td>
</tr>
</tbody>
</table>

Finishes

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>625</td>
<td>Bright Chromium Plated</td>
</tr>
</tbody>
</table>

Dimensions
Overview
The heavy-duty, tamper-resistant Concealed Electrical Power Transfer (CEPT) securely transfers power and data from the hinge side of the frame to electrified hardware on the door.

Features and Benefits
• Mortises into the edges of the door and frame
• Direct retrofit for competitor products
• Tamper-resistant
• All metal construction including backboxes
• 7/8” (22.2 mm) knockouts on backboxes accommodate EMF-type fittings
• Tested to 1,000,000 cycles
• Compatible with butt hinges up to 6” (152.4 mm) and continuous hinges with cutout
• MagnaCare® lifetime replacement, no-fault warranty

The unit is discreetly concealed between the frame and door when the door is closed. Available in three multi-wire configurations and four finishes, the CEPT complements any architectural setting.
## Specifications

### Current Limit
- CEPT-10: (2) 18AWG max 5A; (8) 22AWG max 1A
- CEPT-C5e: (8) 24AWG max 1A; (1) 22AWG max 1A
- EL-CEPT: (12) 22AWG max 1A

### Certifications
- UL 10C fire-rated; ANSI A250.13 (+/- 150 psf) windstorm listed; Florida Building Code approved; ULC-S318 listed

## Product Options

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEPT-10</td>
<td>Includes 8-22AWG wires plus 2-18AWG wires for higher current devices</td>
</tr>
<tr>
<td>CEPT-C5e</td>
<td>Includes CAT5E compatible with 9 – 22AWG wire stranded conductor, Molex connectors</td>
</tr>
<tr>
<td>EL-CEPT</td>
<td>ElectroLynx® compatible with 12-22AWG wires, ElectroLynx connectors</td>
</tr>
</tbody>
</table>

## Securitron® Concealed Electrical Power Transfer | How to Order

### Hinge Compatibility

<table>
<thead>
<tr>
<th>Hinge</th>
<th>Door Angle Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>≤5° Butt Hinge</td>
<td>0-180 degrees</td>
</tr>
<tr>
<td>5-1/2° Butt Hinge</td>
<td>0-130 degrees</td>
</tr>
<tr>
<td>6° Butt Hinge</td>
<td>0-110 degrees</td>
</tr>
</tbody>
</table>

*Not for use with center hung or balanced doors, pocket or offset pivots or swing-clear hinges*

### Dimensions

- 1.2” (30.5 mm)
- 1.03” (26 mm)
- 9” (229 mm)

### Finishes
- 606 Satin Brass, Clear Coated
- 612 Satin Bronze, Clear Coated
- 613 Dark Oxidized Satin Bronze, Oil Rubbed
- 630 Satin Stainless Steel
Overview

The Securitron PowerJump® ICPT ports power contactlessly and invisibly across the door gap to run electrified hardware on the door. With flexible installation placement on the latch side, hinge side or top of the door, it transfers power without pins or wires, eliminating points of vulnerability and wear and no need to core-drill the door!

Features and Benefits

- Transfers power wirelessly across door gaps of up to 3/16" (4.8 mm)
- Flexible mounting: can be installed on hinge side, latch side or top of frame
- Dual-voltage output 12VDC or 24VDC field-selectable
- Intermittent duty only (not intended for continuous duty applications)
- Recommended for fail secure devices
- Use with electrified locks, latches or other door hardware requiring up to 6W (0.5A at 12VDC) of power
- Adhesive backed templates for accurate installation
- MagnaCare® lifetime replacement, no-fault warranty
Specifications

Current Limit
- 500mA at 12VDC
- 250mA at 24VDC

Input
- 24VDC only 500mA max

Operating Temperature
- -40° to 120°F (-40° to 49°C)

Certifications
- UL 10C fire-rated; CAN4-S104 (ULCS104) fire door conformant; ANSI A250.13 (+/- 150 psf) windstorm listed; FCC Part 15 compliant

Securitron® PowerJump® ICPT Inductive Coupling Power Transfer | How to Order

<table>
<thead>
<tr>
<th>Part#</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICPT</td>
<td>PowerJump Inductive Coupling Power Transfer</td>
</tr>
</tbody>
</table>

Dimensions

Door Side

<table>
<thead>
<tr>
<th>Measurement</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-3/4&quot; (70 mm)</td>
<td></td>
</tr>
<tr>
<td>1-5/8&quot; (40 mm)</td>
<td></td>
</tr>
</tbody>
</table>

Frame Side

<table>
<thead>
<tr>
<th>Measurement</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-1/4&quot; (32 mm)</td>
<td></td>
</tr>
</tbody>
</table>

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