

# Load & Motor Manual Transfer Switches For Hazardous & Corrosive Environments



## DISTRIBUTION

STAHL

### Features: All Models

- 15A – 150A Models
- No conduit seals required for Class I, Division 2 areas
- Lightweight construction compared to cast metal enclosures
- Available in Fused and Non-Fused versions
- 3 Pole horsepower rated switch
- Increased safety terminals and integrated ground bar
- Pad lockable robust rotary handle
- Lockout/Tagout compliant
- Multiple entry methods available

### Stainless Steel Manual Transfers:

- Enclosure made of 316L stainless steel construction for maximum corrosion resistance
- Fused and Non-Fused version supplied with hinged cover and ¼ turn latch
- Enclosure NEMA 3, 4, 4X, IP66

### FRP Manual Transfers:

- Enclosure made of Fiberglass Reinforced Polyester (FRP) with recessed gasket and captive stainless steel cover screws
- Fused and Non-Fused versions supplied with screw cover
- Enclosure NEMA 3, 4, 4X, IP66

# Non-Fused Manual Transfer Switch 316L Stainless Steel Enclosure

NORTH AMERICAN AMPERAGE CONFIGURATIONS  
NORTH AMERICAN CERTIFIED



**CLASSIFICATIONS**

**7150/5- Non-Fused Transfers**

NEC®- Class I, Division 2, Groups A,B,C,D  
Enclosure NEMA 3, 4, 4X, IP66

CEC- Zone 2 IIC  
Class I, Division 2, Groups A,B,C,D  
Enclosure NEMA 3, 4, 4X, IP66

File No. FM17US0039X  
FM17CA0023X

Ambient Temperature Range  
+40°C (+104°F) ... +55°C (+131°F) Max.  
-40°C (-40°F) Min.



- 3 Pole
- Non-fused, prewired
- 316L stainless steel hinged cover enclosure with 1/4 turn latch
- Enclosure without entries
- Dimensions on page I20

## Ordering Information

| NEC®/ CEC - Class I, Division 2 |           |                       | Rated Voltage            |        | **Horse Power Rating | *Required Back-Up Fuse Max | Max Wire Size |                 | ^Hazardous Location Temperature Class | ~Max Amb Temp |
|---------------------------------|-----------|-----------------------|--------------------------|--------|----------------------|----------------------------|---------------|-----------------|---------------------------------------|---------------|
| Catalog Number                  | Article # | Current Rating (AMPS) | VAC                      | DC     | 480 VAC              | J Type                     | AWG           | mm <sup>2</sup> |                                       |               |
|                                 |           |                       | 7150/5-V11-H01-00-0500-0 | 286691 | 15                   | 600                        | 220           | 10              |                                       |               |
| 7150/5-V11-H06-00-0500-0        | 286699    | 60                    | 600                      | 240    | 40                   | 150                        | 1/0           | 50              | T5<br>T6                              | 55°C<br>40°C  |
| 7150/5-V11-H07-00-0500-0        | 286703    | 80                    | 480                      | 240    | 60                   | 150                        | 1/0           | 50              | T6                                    | 40°C          |
| 7150/5-V11-H32-00-0500-0        | 286707    | 100                   | 600                      | 240    | 75                   | 200                        | 3/0           | 95              | T4                                    | 55°C          |
| 7150/5-V11-H08-00-0500-0        | 286711    | 125                   | 600                      | 240    | 100                  | 200                        | 3/0           | 95              | T5                                    | 40°C          |
| 7150/5-V11-H09-00-0500-0        | 286714    | 150                   | 480                      | 240    | 100                  | 200                        | 3/0           | 95              | T5                                    | 40°C          |

\*Required back-up fuse upstream in the circuit.

Manual Transfer Switch assemblies third party certified as noted in the certification data above. Components included in the assemblies are third party certified to the relevant American National Standard Institute (ANSI) standards.

\*\*Horsepower Ratings (HP) shown above are at 480 VAC for other voltages or Kilowatt ratings please see page I25.



Enclosure without entries  
For Field Entry HUB and Cable Gland, please see page I26.  
For installation, please contact factory.



# Fused Manual Transfer Switch 316L Stainless Steel Enclosure

NORTH AMERICAN AMPERAGE CONFIGURATIONS  
NORTH AMERICAN CERTIFIED



- 3 Pole
- Fused, prewired
- 316L stainless steel hinged cover enclosure with 1/4 turn latch
- Enclosure without entries
- Dimensions on page I20

## Ordering Information

| NEC <sup>®</sup> /CEC - Class I, Division 2 |           |                       | Rated Voltage            |        | **Horse Power Rating | Included Back-Up Fuse | Max Wire Size |                 | ^Hazardous Location Temperature Class | ~Max Amb Temp |
|---|-----------|-----------------------|--------------------------|--------|----------------------|-----------------------|---------------|-----------------|---------------------------------------|---------------|
| Catalog Number                              | Article # | Current Rating (AMPS) | VAC                      | DC     | 480 VAC              | J Type                | AWG           | mm <sup>2</sup> |                                       |               |
|   |           |                       | 7150/5-V11-H01-AA-0500-0 | 286692 | 15                   | 600                   | 220           | 10              |                                       |               |
| 7150/5-V11-H06-AA-0500-0                    | 286700    | 60                    | 600                      | 240    | 40                   | 80                    | 1/0           | 50              | T4                                    | 55°C          |
| 7150/5-V11-H07-AA-0500-0                    | 286704    | 80                    | 480                      | 240    | 60                   | 100                   | 1/0           | 50              | T4                                    | 55°C          |
| 7150/5-V11-H32-AA-0500-0                    | 286708    | 100                   | 600                      | 240    | 75                   | 150                   | 3/0           | 95              | T4                                    | 55°C          |
| 7150/5-V11-H08-AA-0500-0                    | 286712    | 125                   | 600                      | 240    | 100                  | 150                   | 3/0           | 95              | T4                                    | 55°C          |

Manual Transfer Switch assemblies third party certified as noted in the certification data above. Components included in the assemblies are third party certified to the relevant American National Standard Institute (ANSI) standards.

\*\*Horsepower Ratings (HP) shown above are at 480 VAC for other voltages or Kilowatt ratings please see page I25.



Enclosure without entries  
For Field Entry HUB and Cable Gland, please see page I26.  
For installation, please contact factory.

## DISTRIBUTION



### CLASSIFICATIONS

#### 7150/5- Fused Transfers

NEC<sup>®</sup>- Class I, Division 2, Groups A,B,C,D  
Enclosure NEMA 3, 4, 4X, IP66

CEC- Zone 2 IIC  
Class I, Division 2, Groups A,B,C,D  
Enclosure NEMA 3, 4, 4X, IP66

File No. FM17US0039X  
FM17CA0023X

Ambient Temperature Range  
+40°C (+104°F) ... +55°C (+131°F) Max.  
-40°C (-40°F) Min.

# Non-Fused Manual Transfer Switch 316L Stainless Steel Enclosure

GLOBAL AMPERAGE CONFIGURATIONS  
GLOBALLY CERTIFIED



**CLASSIFICATIONS**

**8150/5- Non-Fused Transfers**

NEC®- Class I, Zone 1 AEx db eb IIC <sup>^</sup> Gb  
Class I, Division 2, Groups A,B,C,D  
Class II, Division 1, Groups E,F,G  
Enclosure NEMA 3, 4, 4X, IP66

CEC- Ex db eb IIC <sup>^</sup> Gb  
Class I, Division 2, Groups A,B,C,D  
Class II, Division 1 Groups E,F,G  
Enclosure NEMA 3, 4, 4X, IP66

FM APPROVED File No. FM17US0039X  
FM17CA0023X

IEC- Ex db eb IIC <sup>^</sup> Gb  
Ex tb IIIC <sup>^</sup> Db IP66  
IECEx PTB 09.0049

ATEX- Ⓢ II 2G Ex db eb IIC <sup>^</sup> Gb  
Ⓢ II 2D Ex tb IIIC <sup>^</sup> Db IP66  
PTB 09 ATEX 1109

<sup>v</sup> Ambient Temperature Range  
+40°C (+104°F) ... +55°C (+131°F) Max.  
-40°C (-40°F) Min.



- 3 Pole
- Non-fused, prewired
- 316L stainless steel hinged cover enclosure with 1/4 turn latch
- Enclosure without entries
- Dimensions on page I20

**Ordering Information**

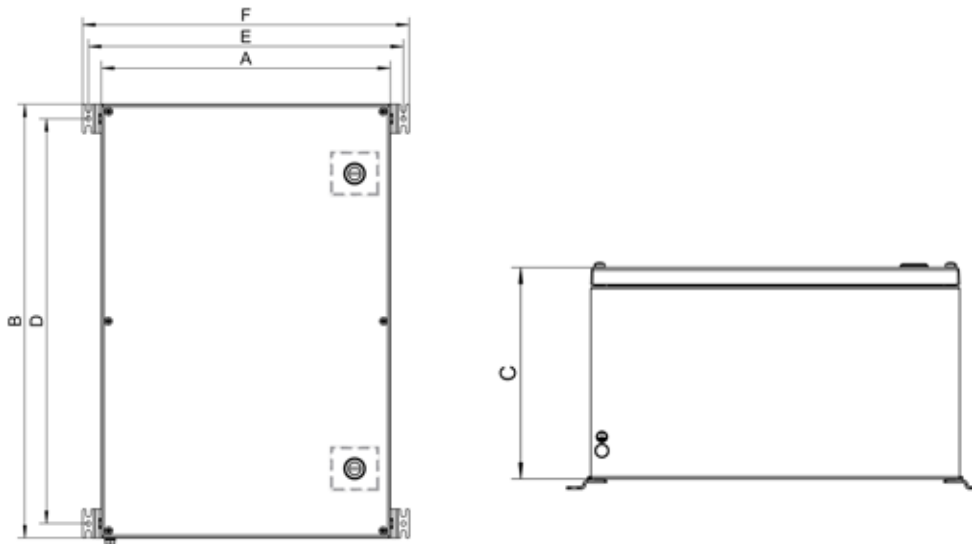
| NEC® - Class I, Zone 1<br>CEC / IEC / ATEX - Zone 1 |           |                       | Rated Voltage |     | ** Horse Power Rating | * Required Back-Up Fuse Max | Max Wire Size |                 | ^ Hazardous Location Temperature Class | v Max Amb Temp |
|---|-----------|-----------------------|---------------|-----|-----------------------|-----------------------------|---------------|-----------------|--|----------------|
| Catalog Number                                      | Article # | Current Rating (AMPS) | VAC           | DC  | 480 VAC               | J Type                      | AWG           | mm <sup>2</sup> |  |                |
| 8150/5-V11-H01-00-0500-0                            | 286716    | 15                    | 600           | 220 | 10                    | 20                          | 12            | 2.5             | T6                                     | 40°C           |
| 8150/5-V11-H06-00-0500-0                            | 286721    | 60 / 63               | 600           | 240 | 40                    | 150                         | 2             | 25              | T5<br>T6                               | 55°C<br>40°C   |
| 8150/5-V11-H07-00-0500-0                            | 286723    | 80                    | 480           | 240 | 60                    | 150                         | 2             | 25              | T6                                     | 40°C           |
| 8150/5-V11-H32-00-0500-0                            | 286725    | 100                   | 600           | 240 | 75                    | 200                         | 4/0           | 95              | T4                                     | 55°C           |
| 8150/5-V11-H08-00-0500-0                            | 286727    | 125                   | 600           | 240 | 100                   | 200                         | 4/0           | 95              | T5                                     | 40°C           |
| 8150/5-V11-H09-00-0500-0                            | 286729    | 150                   | 480           | 240 | 100                   | 200                         | 4/0           | 95              | T5                                     | 40°C           |

\* Required back-up fuse upstream in the circuit.  
Manual Transfer Switch assemblies third party certified as noted in the certification data above. Components included in the assemblies are third party certified to the relevant American National Standard Institute (ANSI) standards.  
\*\* Horsepower Ratings (HP) shown above are at 480 VAC for other voltages or Kilowatt ratings please see page I25.  
Product without entries, please see page I26 for Field Entry HUB and cable gland. For installation, please contact factory.





## STAINLESS STEEL SERIES MANUAL TRANSFER SWITCHES FUSED / NON-FUSED



### Dimensions in Inches (mm)

| Non-Fused Transfer Switch |           |             |             |            |             |             |             |
|---------------------------|-----------|-------------|-------------|------------|-------------|-------------|-------------|
| Catalog Number            | Article # | A           | B           | C          | D           | E           | F           |
| 7150/5-V11-H01-00-0500-0  | 286691    | 7.87 (200)  | 11.81 (300) | 5.90 (150) | 10.24 (260) | 9.29 (236)  | 9.92 (252)  |
| 7150/5-V11-H06-00-0500-0  | 286699    | 23.62 (600) | 23.62 (600) | 5.90 (150) | 22.05 (560) | 25.39 (636) | 25.67 (652) |
| 7150/5-V11-H07-00-0500-0  | 286703    | 23.62 (600) | 23.62 (600) | 5.90 (150) | 22.05 (560) | 25.39 (636) | 25.67 (652) |
| 7150/5-V11-H32-00-0500-0  | 286707    | 18.90 (480) | 30.98 (787) | 9.06 (230) | 29.41 (747) | 20.32 (516) | 20.94 (532) |
| 7150/5-V11-H08-00-0500-0  | 286711    | 18.90 (480) | 30.98 (787) | 9.06 (230) | 29.41 (747) | 20.32 (516) | 20.94 (532) |
| 7150/5-V11-H09-00-0500-0  | 286714    | 18.90 (480) | 30.98 (787) | 9.06 (230) | 29.41 (747) | 20.32 (516) | 20.94 (532) |
| Fused Transfer Switch     |           |             |             |            |             |             |             |
| 7150/5-V11-H01-AA-0500-0  | 286692    | 11.81 (300) | 15.75 (400) | 5.90 (150) | 14.17 (360) | 13.23 (336) | 13.86 (352) |
| 7150/5-V11-H06-AA-0500-0  | 286700    | 23.62 (600) | 23.62 (600) | 5.90 (150) | 22.05 (560) | 25.39 (636) | 25.67 (652) |
| 7150/5-V11-H07-AA-0500-0  | 286704    | 23.62 (600) | 23.62 (600) | 5.90 (150) | 22.05 (560) | 25.39 (636) | 25.67 (652) |
| 7150/5-V11-H32-AA-0500-0  | 286708    | 28.74 (730) | 35.43 (900) | 7.48 (190) | 33.86 (860) | 30.16 (766) | 30.79 (782) |
| 7150/5-V11-H08-AA-0500-0  | 286712    | 28.74 (730) | 35.43 (900) | 7.48 (190) | 33.86 (860) | 30.16 (766) | 30.79 (782) |
| Non-Fused Transfer Switch |           |             |             |            |             |             |             |
| Catalog Number            | Article # | A           | B           | C          | D           | E           | F           |
| 8150/5-V11-H01-00-0500-0  | 286716    | 7.87 (200)  | 11.81 (300) | 5.90 (150) | 10.24 (260) | 9.29 (236)  | 9.92 (252)  |
| 8150/5-V11-H06-00-0500-0  | 286721    | 23.62 (600) | 23.62 (600) | 5.90 (150) | 22.05 (560) | 25.39 (636) | 25.67 (652) |
| 8150/5-V11-H07-00-0500-0  | 286723    | 23.62 (600) | 23.62 (600) | 5.90 (150) | 22.05 (560) | 25.39 (636) | 25.67 (652) |
| 8150/5-V11-H32-00-0500-0  | 286725    | 18.90 (480) | 30.98 (787) | 9.06 (230) | 29.41 (747) | 20.32 (516) | 20.94 (532) |
| 8150/5-V11-D08-00-0500-0  | 286727    | 18.90 (480) | 30.98 (787) | 9.06 (230) | 29.41 (747) | 20.32 (516) | 20.94 (532) |
| 8150/5-V11-D09-00-0500-0  | 286729    | 18.90 (480) | 30.98 (787) | 9.06 (230) | 29.41 (747) | 20.32 (516) | 20.94 (532) |

Please note the fused disconnects are hinged and provided with a slotted 1/4 turn cam lock. The switch only models are screw cover enclosure. For the alternative please consult factory.



**CLASSIFICATIONS**

**7146/5- Non-Fused Transfers**

NEC® - Class I, Division 2, Groups A,B,C,D  
Enclosure NEMA 3, 4, 4X, IP66

CEC- Zone 2 IIC  
Class I, Division 2, Groups A,B,C,D  
Enclosure NEMA 3, 4, 4X, IP66

File No. FM18US0275X  
FM18CA0132X

Ambient Temperature Range  
+40°C (+104°F) ... +55°C (+131°F) Max.  
-40°C (-40°F) Min.

# Non-Fused Manual Transfer Switch Fiberglass Reinforced Polyester Enclosure

NORTH AMERICAN AMPERAGE CONFIGURATIONS  
NORTH AMERICAN CERTIFIED



- 3 Pole
- Non-fused, prewired
- FRP screw cover enclosure
- Enclosure without entries
- Dimensions on page I24

## Ordering Information

| NEC®/ CEC - Class I, Division 2 |           |                       | Rated Voltage            |        | Horse Power Rating** | *Required Back-Up Fuse Max | Max Wire Size |                 | ^Hazardous Location Temperature Class | ~Max Amb Temp |
|---------------------------------|-----------|-----------------------|--------------------------|--------|----------------------|----------------------------|---------------|-----------------|---------------------------------------|---------------|
| Catalog Number                  | Article # | Current Rating (AMPS) | VAC                      | DC     | 480 VAC              | J Type                     | AWG           | mm <sup>2</sup> |                                       |               |
|                                 |           |                       | 7146/5-V11-H01-00-0500-0 | 286732 | 15                   | 600                        | 220           | 10              |                                       |               |
| 7146/5-V11-H06-00-0500-0        | 286740    | 60                    | 600                      | 240    | 40                   | 150                        | 1/0           | 50              | T5                                    | 55°C          |
| 7146/5-V11-H07-00-0500-0        | 286744    | 80                    | 480                      | 240    | 60                   | 150                        | 1/0           | 50              | T5                                    | 55°C          |
| 7146/5-V11-H32-00-0500-0        | 286748    | 100                   | 600                      | 240    | 75                   | 200                        | 3/0           | 95              | T4                                    | 55°C          |
| 7146/5-V11-H08-00-0500-0        | 286752    | 125                   | 600                      | 240    | 100                  | 200                        | 3/0           | 95              | T5                                    | 55°C          |
| 7146/5-V11-H09-00-0500-0        | 286755    | 150                   | 480                      | 240    | 100                  | 200                        | 3/0           | 95              | T4                                    | 55°C          |

\*Required back-up fuse upstream in the circuit.

Manual Transfer Switch assemblies third party certified as noted in the certification data above. Components included in the assemblies are third party certified to the relevant American National Standard Institute (ANSI) standards.

\*\*Horsepower Ratings (HP) shown above are at 480 VAC for other voltages or Kilowatt ratings please see page I25.



Enclosure without entries  
For Field Entry HUB and Cable Gland, please see page I26.  
For installation, please contact factory.



# Fused Manual Transfer Switch Fiberglass Reinforced Polyester Enclosure

NORTH AMERICAN AMPERAGE CONFIGURATIONS  
NORTH AMERICAN CERTIFIED



- 3 Pole
- Fused, prewired
- FRP screw cover enclosure
- Enclosure without entries
- Dimensions on page I24

## DISTRIBUTION



### CLASSIFICATIONS

#### 7146/5- Fused Transfers

NEC<sup>®</sup>- Class I, Division 2, Groups A,B,C,D<sup>^</sup>  
Enclosure NEMA 3, 4, 4X, IP66

CEC- Zone 2 IIC<sup>^</sup>  
Class I, Division 2, Groups A,B,C,D<sup>^</sup>  
Enclosure NEMA 3, 4, 4X, IP66



File No. FM18US0275X  
FM18CA0132X

✓ Ambient Temperature Range  
+40°C (+104°F) ... +55°C (+131°F) Max.  
-40°C (-40°F) Min.

## Ordering Information

| NEC <sup>®</sup> / CEC - Class I, Division 2 |           |                       | Rated Voltage            |        | **Horse Power Rating | Included Back-Up Fuse | Max Wire Size |                 | ^Hazardous Location Temperature Class | ✓ Max Amb Temp |
|--|-----------|-----------------------|--------------------------|--------|----------------------|-----------------------|---------------|-----------------|---------------------------------------|----------------|
| Catalog Number                               | Article # | Current Rating (AMPS) | VAC                      | DC     | 480 VAC              | J Type                | AWG           | mm <sup>2</sup> |                                       |                |
|  |           |                       | 7146/5-V11-H01-AA-0500-0 | 286733 | 15                   | 600                   | 220           | 10              |                                       |                |
| 7146/5-V11-H06-AA-0500-0                     | 286741    | 60                    | 600                      | 240    | 40                   | 80                    | 1/0           | 50              | T4                                    | 55°C           |
| 7146/5-V11-H07-AA-0500-0                     | 286745    | 80                    | 480                      | 240    | 60                   | 100                   | 1/0           | 50              | T4                                    | 55°C           |
| 7146/5-V11-H32-AA-0500-0                     | 286749    | 100                   | 600                      | 240    | 100                  | 150                   | 3/0           | 95              | T4                                    | 55°C           |
| 7146/5-V11-H08-AA-0500-0                     | 286753    | 125                   | 600                      | 240    | 100                  | 150                   | 3/0           | 95              | T4                                    | 55°C           |

Manual Transfer Switch assemblies third party certified as noted in the certification data above. Components included in the assemblies are third party certified to the relevant American National Standard Institute (ANSI) standards.

\*\*Horsepower Ratings (HP) shown above are at 480 VAC for other voltages or Kilowatt ratings please see page I25.



Enclosure without entries  
For Field Entry HUB and Cable Gland, please see page I26.  
For installation, please contact factory.

# Non-Fused Manual Transfer Switch Fiberglass Reinforced Polyester Enclosure

GLOBAL AMPERAGE CONFIGURATIONS  
GLOBALLY CERTIFIED



**CLASSIFICATIONS**

**8146/5- Non-Fused Transfers**

NEC®- Class I, Zone 1 AEx db eb IIC <sup>^</sup> Gb  
Class I, Division 2, Groups A,B,C,D <sup>^</sup>  
Class II, Division 1, Groups E,F,G <sup>^</sup>  
Enclosure NEMA 3, 4, 4X, IP66

CEC- Ex db eb IIC <sup>^</sup> Gb  
Class I, Division 2, Groups A,B,C,D <sup>^</sup>  
Class II, Division 1 Groups E,F,G <sup>^</sup>  
Enclosure NEMA 3, 4, 4X, IP66

File No. FM18US0275X  
FM18CA0132X

IEC- Ex db eb IIC <sup>^</sup> Gb  
Ex tb IIIC <sup>^</sup> Db IP66  
IECEX PTB 09.0049

ATEX- II 2G Ex db eb IIC <sup>^</sup> Gb  
II 2D Ex tb IIIC <sup>^</sup> Db IP66  
PTB 09 ATEX 1109

Ambient Temperature Range  
+40°C (+104°F) ... +55°C (+131°F) Max.  
-40°C (-40°F) Min.



- 3 Pole
- Non-fused, prewired
- FRP screw cover enclosure
- Enclosure without entries
- Dimensions on page I24

**Ordering Information**

| NEC® - Class I, Zone 1<br>CEC / IEC / ATEX - Zone 1 |           |                       | Rated Voltage |     | Horse Power Rating** | *Required Back-Up Fuse Max | Max Wire Size |                 | ^Hazardous Location Temperature Class | ~Max Amb Temp |
|---|-----------|-----------------------|---------------|-----|----------------------|----------------------------|---------------|-----------------|---------------------------------------|---------------|
| Catalog Number                                      | Article # | Current Rating (AMPS) | VAC           | DC  | 480 VAC              | J Type                     | AWG           | mm <sup>2</sup> |                                       |               |
| 8146/5-V11-H01-00-0500-0                            | 286757    | 15                    | 600           | 220 | 10                   | 20                         | 8             | 10              | T6                                    | 40°C          |
| 8146/5-V11-H06-00-0500-0                            | 286762    | 60 / 63               | 600           | 240 | 40                   | 150                        | 1/0           | 50              | T5                                    | 55°C          |
| 8146/5-V11-H07-00-0500-0                            | 286764    | 80                    | 480           | 240 | 60                   | 150                        | 1/0           | 50              | T5                                    | 55°C          |
| 8146/5-V11-H32-00-0500-0                            | 286766    | 100                   | 600           | 240 | 75                   | 200                        | 3/0           | 95              | T4                                    | 55°C          |
| 8146/5-V11-H08-00-0500-0                            | 286768    | 125                   | 600           | 240 | 100                  | 200                        | 3/0           | 95              | T5                                    | 55°C          |
| 8146/5-V11-H09-00-0500-0                            | 286770    | 150                   | 480           | 240 | 100                  | 200                        | 3/0           | 95              | T4                                    | 55°C          |

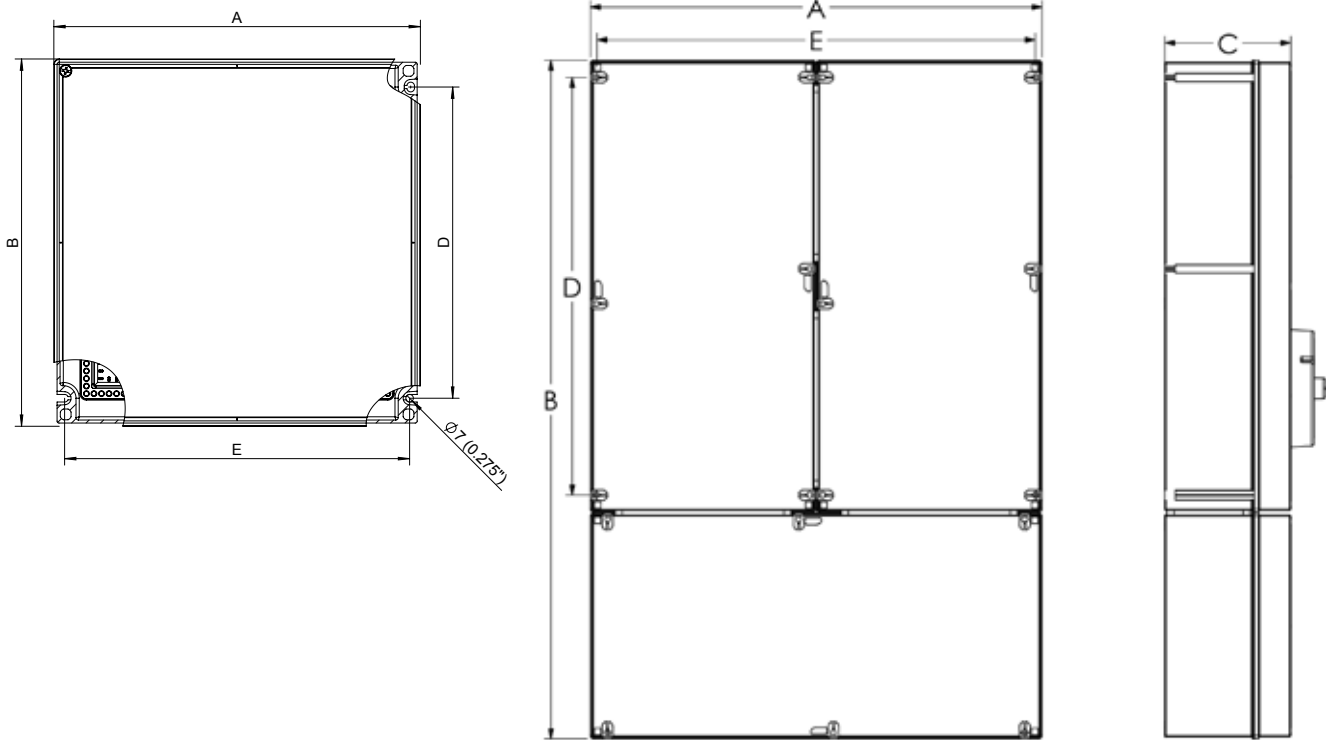
\*Required back-up fuse upstream in the circuit.  
Manual Transfer Switch assemblies third party certified as noted in the certification data above. Components included in the assemblies are third party certified to the relevant American National Standard Institute (ANSI) standards.

\*\*Horsepower Ratings (HP) shown above are at 480 VAC for other voltages or Kilowatt ratings please see page I25.  
Product without entries, please see page I26 for Field Entry HUB and cable gland. For installation, please contact factory.





## FRP SERIES MANUAL TRANSFER SWITCHES FUSED / NON-FUSED



### Dimensions in Inches (mm)

| Non-Fused Transfer Switch |           |               |                |            |               |               |
|---------------------------|-----------|---------------|----------------|------------|---------------|---------------|
| Catalog Number            | Article # | A             | B              | C          | D             | E             |
| 7146/5-V11-H01-00-0500-0  | 286732    | 6.69 (170)    | 8.94 (227)     | 5.16 (131) | 6.89 (175)    | 5.98 (152)    |
| 7146/5-V11-H06-00-0500-0  | 286740    | 13.39 (340)   | 26.83 (681.5)  | 5.91 (150) | 24.78 (629.5) | 26.04 (661.5) |
| 7146/5-V11-H07-00-0500-0  | 286744    | 13.39 (340)   | 26.83 (681.5)  | 5.91 (150) | 24.78 (629.5) | 26.04 (661.5) |
| 7146/5-V11-H32-00-0500-0  | 286748    | 26.83 (681.5) | 47.30 (1201.5) | 7.48 (190) | 24.78 (629.5) | 26.04 (661.5) |
| 7146/5-V11-H08-00-0500-0  | 286752    | 26.83 (681.5) | 47.30 (1201.5) | 7.48 (190) | 24.78 (629.5) | 26.04 (661.5) |
| 7146/5-V11-H09-00-0500-0  | 286755    | 26.83 (681.5) | 47.30 (1201.5) | 7.48 (190) | 24.78 (629.5) | 26.04 (661.5) |
| Fused Transfer Switch     |           |               |                |            |               |               |
| 7146/5-V11-H01-AA-0500-0  | 286733    | 13.41 (340.5) | 13.41 (340.5)  | 5.16 (131) | 10.57 (268.5) | 12.70 (322.5) |
| 7146/5-V11-H06-AA-0500-0  | 286741    | 26.83 (681.5) | 26.83 (681.5)  | 7.48 (190) | 24.78 (629.5) | 26.04 (661.5) |
| 7146/5-V11-H07-AA-0500-0  | 286745    | 26.83 (681.5) | 26.83 (681.5)  | 7.48 (190) | 24.78 (629.5) | 26.04 (661.5) |
| 7146/5-V11-H32-AA-0500-0  | 286749    | 26.83 (681.5) | 47.30 (1201.5) | 7.48 (190) | 24.78 (629.5) | 26.04 (661.5) |
| 7146/5-V11-H08-AA-0500-0  | 286753    | 26.83 (681.5) | 47.30 (1201.5) | 7.48 (190) | 24.78 (629.5) | 26.04 (661.5) |
| Non-Fused Transfer Switch |           |               |                |            |               |               |
| Catalog Number            | Article # | A             | B              | C          | D             | E             |
| 8146/5-V11-H01-00-0500-0  | 286757    | 6.69 (170)    | 8.94 (227)     | 5.16 (131) | 6.89 (175)    | 5.98 (152)    |
| 8146/5-V11-H06-00-0500-0  | 286762    | 13.39 (340)   | 26.83 (681.5)  | 5.91 (150) | 24.78 (629.5) | 24.78 (629.5) |
| 8146/5-V11-H07-00-0500-0  | 286764    | 13.39 (340)   | 26.83 (681.5)  | 5.91 (150) | 24.78 (629.5) | 24.78 (629.5) |
| 8146/5-V11-H32-00-0500-0  | 286766    | 26.83 (681.5) | 47.30 (1201.5) | 7.48 (190) | 24.78 (629.5) | 24.78 (629.5) |
| 8146/5-V11-H08-00-0500-0  | 286768    | 26.83 (681.5) | 47.30 (1201.5) | 7.48 (190) | 24.78 (629.5) | 24.78 (629.5) |
| 8146/5-V11-H09-00-0500-0  | 286770    | 26.83 (681.5) | 47.30 (1201.5) | 7.48 (190) | 24.78 (629.5) | 24.78 (629.5) |

Smaller dimension drawing applies only to the 8146/5-V11-H01 size enclosure.

Technical Data

| Current Rating (AMPS) | Rated Voltage |     | Horse Power Rating |         |         |         |          |           |           | *Required Back-Up Fuse Max | Max Wire Size |                 | ^Hazardous Location Temperature Class | ~ Max Amb Temp |
|-----------------------|---------------|-----|--------------------|---------|---------|---------|----------|-----------|-----------|----------------------------|---------------|-----------------|---------------------------------------|----------------|
|                       | VAC           | DC  | 600 VAC            | 480 VAC | 240 VAC | 120 VAC | 60 VDC** | 125 VDC** | 250 VDC** | J Type                     | AWG           | mm <sup>2</sup> |                                       |                |
| 15                    | 600           | 220 | 10                 | 10      | 5       | 2       | -        | -         | -         | 20                         | 8             | 10              | T6                                    | 40°C           |
| 16                    | 600           | 220 | 10                 | 10      | 5       | 2       | -        | -         | -         | 20                         | 8             | 10              | T6                                    | 40°C           |
| 25                    | 600           | 125 | 15                 | 15      | 7.5     | 3       | -        | 3         | 5         | 40                         | 6             | 16              | T5                                    | 55°C           |
| 30 / 32               | 600           | -   | 30                 | 20      | 10      | 3       | -        | -         | -         | 50                         | 6             | 16              | T5                                    | 55°C           |
| 60 / 63               | 600           | 240 | 50                 | 40      | 20      | 10      | -        | 7.5       | 15        | 150                        | 1/0           | 50              | T5                                    | 55°C           |
|                       |               |     |                    |         |         |         |          |           |           |                            |               |                 | T6                                    | 40°C           |
| 80                    | 480           | 240 | -                  | 60      | 30      | 10      | 10(1)    | 10(2)     | 30(3)     | 150                        | 1/0           | 50              | T5                                    | 55°C           |
|                       |               |     |                    |         |         |         |          |           |           |                            |               |                 | T6                                    | 40°C           |
| 100                   | 600           | 240 | 100                | 75      | 50      | 20      | -        | 10(2)     | 20(3)     | 200                        | 3/0           | 95              | T4                                    | 55°C           |
|                       |               |     |                    |         |         |         |          |           |           |                            |               |                 | T5                                    | 40°C           |
| 125                   | 600           | 240 | 125                | 100     | 50      | 25      | -        | 10(2)     | 20(3)     | 200                        | 3/0           | 95              | T4                                    | 55°C           |
|                       |               |     |                    |         |         |         |          |           |           |                            |               |                 | T5                                    | 40°C           |
| 150                   | 480           | 240 | -                  | 100     | 50      | 25      | -        | 10(2)     | 20(3)     | 200                        | 3/0           | 95              | T4                                    | 55°C           |

\*Required back-up fuse upstream in the circuit.

\*\*The numbers within the parentheses indicate how many switch contacts need to be wired in series to achieve the indicated horsepower ratings in DC applications.

^&~ For all fused switches, the Hazardous Location Temperature Class is T4 with a Max Amb Temp of 55°C.

| Current Rating (AMPS) | Rated Voltage |         | Kilowatt (KW) Rating |         |         |        | *Required Back-Up Fuse Max | Max Wire Size   |    | ^Hazardous Location Temperature Class | ~ Max Amb Temp |
|-----------------------|---------------|---------|----------------------|---------|---------|--------|----------------------------|-----------------|----|---------------------------------------|----------------|
|                       | VAC           | 690 VAC | 500 VAC              | 400 VAC | 230 VAC | J Type | AWG                        | mm <sup>2</sup> |    |                                       |                |
| 16                    | 690           | 11      | 7.5                  | 7.5     | 4       | 20     | 8                          | 10              | T5 | 55°C                                  |                |
|                       |               |         |                      |         |         |        |                            |                 | T6 | 40°C                                  |                |
| 25                    | 690           | 15      | 15                   | 11      | 5.5     | 40     | 8                          | 10              | T5 | 55°C                                  |                |
| 63                    | 690           | 55      | 37                   | 30      | 18.5    | 150    | 6                          | 16              | T5 | 55°C                                  |                |
|                       |               |         |                      |         |         |        |                            |                 | T6 | 40°C                                  |                |
| 80                    | 500           | -       | 55                   | 45      | 22      | 150    | 6                          | 16              | T5 | 55°C                                  |                |
|                       |               |         |                      |         |         |        |                            |                 | T6 | 40°C                                  |                |
| 125                   | 690           | 110     | 75                   | 55      | 37      | 200    | 3/0                        | 95              | T5 | 55°C                                  |                |
|                       |               |         |                      |         |         |        |                            |                 | T6 | 40°C                                  |                |
| 150                   | 500           | -       | 90                   | 75      | 45      | 200    | 3/0                        | 95              | T4 | 55°C                                  |                |

\*Required back-up fuse upstream in the circuit.

^&~ For all fused switches, the Hazardous Location Temperature Class is T4 with a Max Amb Temp of 55°C.

CONDUIT HUBS / CABLE GLANDS  
NORTH AMERICAN CERTIFIED



## Hazardous Location Conduit Hubs with Grounding Terminal

### Ordering Information

| Catalog Number | Size NPT | Enclosure Thru Hole I.D. | Article # |
|----------------|----------|--------------------------|-----------|
| 8166/11-01-NE  | 1/2"     | 7/8"                     | 139082    |
| 8166/11-02-NE  | 3/4"     | 1-1/8"                   | 139083    |
| 8166/11-03-NE  | 1"       | 1-3/8"                   | 139084    |
| 8166/11-04-NE  | 1-1/4"   | 1-3/4"                   | 139085    |
| 8166/11-05-NE  | 1-1/2"   | 2"                       | 139086    |
| 8166/11-06-NE  | 2"       | 2-1/2"                   | 139087    |
| 8166/11-07-NE  | 2-1/2"   | 3"                       | 139088    |



## TMC Cable Glands - Nickel Plated Brass For MC, MC-HL, Interlocked & TECK Armored Cables

### Ordering Information (Dimensions in Inches)

| Catalog Number | Cable Gland Size NPT | Max. Cable Armor Dia. |       |              |       | Cable Jacket Diameter |       | Article # |
|----------------|----------------------|-----------------------|-------|--------------|-------|-----------------------|-------|-----------|
|                |                      | End Stop In           |       | End Stop Out |       | Min.                  | Max.  |           |
|                |                      | Min.                  | Max.  | Min.         | Max.  |                       |       |           |
| TMC050SNB      | 1/2"                 | --                    | --    | 0.342        | 0.503 | 0.354                 | 0.550 | 254316    |
| TMC050NB       | 1/2"                 | --                    | --    | 0.437        | 0.669 | 0.510                 | 0.787 | 254317    |
| TMC075NB       | 3/4"                 | 0.591                 | 0.756 | 0.756        | 0.917 | 0.669                 | 1.035 | 106090    |
| TMC100NB       | 1"                   | 0.775                 | 0.969 | 0.969        | 1.150 | 0.910                 | 1.268 | 106091    |
| TMC125NB       | 1-1/4"               | 1.083                 | 1.228 | 1.228        | 1.386 | 1.161                 | 1.504 | 254320    |
| TMC150NB       | 1-1/2"               | 1.320                 | 1.461 | 1.461        | 1.618 | 1.402                 | 1.736 | 254321    |
| TMC200SNB      | 2"                   | 1.508                 | 1.677 | 1.677        | 1.854 | 1.579                 | 2.008 | 254322    |
| TMC200NB       | 2"                   | 1.772                 | 1.933 | 1.933        | 2.087 | 1.858                 | 2.205 | 254323    |
| TMC250SNB      | 2-1/2"               | 2.052                 | 2.161 | 2.161        | 2.320 | 2.079                 | 2.441 | 254324    |
| TMC250NB       | 2-1/2"               | 2.247                 | 2.406 | 2.406        | 2.545 | 2.327                 | 2.677 | 254325    |
| TMC300NB       | 3"                   | 2.543                 | 2.776 | 2.776        | 2.965 | 2.622                 | 3.126 | 254326    |
| TMC350NB       | 3-1/2"               | 2.91                  | 3.291 | 3.291        | 3.485 | 2.992                 | 3.830 | 254327    |

NOTE: For more information regarding these accessories see Section K.  
For other Material Options for the TMC Cable Glands and for international cable entry, please contact factory.



### CLASSIFICATIONS

#### 8166/11 Conduit Hubs

NEC®- Class I, Zone 1, AEx e IIC  
Class I, Division 2, Groups A,B,C,D  
Class II, Division 2, Groups F,G  
Class III

#### CEC- Zone 1, Ex e IIC

Class I, Division 2, Groups A,B,C,D  
Class II, Division 2, Groups F,G  
Class III

Environmental Protection  
NEMA Types 3, 4 and 4X; IP66

File No. E200949

Ambient Temperature Range  
+100°C (+212°F) Max.  
-30°C (-22°F) Min.

Grounding Terminal Capacity:  
One or two copper wires,  
14 to 8 AWG, solid or stranded

### CLASSIFICATIONS

#### TMC Cable Glands

NEC®- Class I, Zone 1 & 2, AEx e IIC  
Class I, Division 2, Groups A,B,C,D  
Class II, Division 1 & 2, Groups E,F,G

#### CEC- Zone 1 & 2, Ex e IIC

Class I, Division 2, Groups A,B,C,D  
Class II, Division 1 & 2, Groups E,F,G

Environmental Protection  
NEMA Types 3, 4 and 4X; IP66

File No. 1129339

Continuous Operating Temperature  
+130°C (+266°F) Max.  
-60°C (-76°F) Min.



# LOOK FOR OUR OTHER SOLUTIONS



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