

# Load & Motor Disconnect Switches

FOR HARSH & HAZARDOUS LOCATIONS



DISTRIBUTION



## Features:

### All Models

- 15 A – 150 A 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 Disconnects

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

### FRP Disconnects

- 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 Disconnect Switch 316L Stainless Steel Enclosure

NORTH AMERICAN AMPERAGE CONFIGURATIONS

NORTH AMERICAN CERTIFIED



## CLASSIFICATIONS

7150/5- Non-Fused Disconnects

NEC®

Class I, Division 2, Groups A,B,C,D T<sup>^</sup>  
Enclosure Type 3, 4, 4X, IP66

FM17US0039X

Canadian Electrical Code

Zone 2 IIC T<sup>^</sup>

Class I, Division 2, Groups A,B,C,D T<sup>^</sup>  
Enclosure Type 3, 4, 4X, IP66

FM17CA0023X

<sup>^</sup>Ambient Temperature

-50°C ... +55°C

-58°F ... +131°F

Based on Temperature Class, T4



- 3-pole
- Non-fused
- 316L stainless steel screw cover enclosure
- Enclosure without entries
- Dimensions on page I6

## Ordering Information

NEC® / CE Code - Class I, Division 2			Rated Voltage		** Horse Power Rating	* Required Max. Back-Up Fuse	Max. Wire Size	^ Hazardous Location Temperature Class	* Max. Amb. Temp.
Catalog Number	SAP / Art. No.	Current Rating (AMPS)	V AC	V DC	480 V AC	J-type			
			7150/5-V11-E01-00-0000-0	286419	15	600	125	10	20 A
7150/5-V11-E04-00-0000-0	286695	30	600	-	20	50 A	6 AWG	T5	55°C
7150/5-V11-D06-00-0000-0	286697	60	600	240	40	150 A	1/0 AWG	T5	55°C
								T6	40°C
7150/5-V11-D32-00-0000-0	286705	100	600	240	75	200 A	300 kcmil	T4	55°C

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

Disconnect Switch assemblies are 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.

Note: The rated voltage DC shown is the value for 3-pole in series. For 1-pole and 2-pole rated voltage DC values, see IOM.

\*\*Horsepower Ratings (hp) shown above are at 480 V AC for other voltages or Kilowatt ratings please see page I13.



Enclosure without entries  
For Field Entry HUB and Cable Gland, please see page I14.  
For installation, please contact factory.

# Fused Disconnect Switch 316L Stainless Steel Enclosure

NORTH AMERICAN AMPERAGE CONFIGURATIONS  
NORTH AMERICAN CERTIFIED



- 3-pole
- Fused, prewired between fuse and switch
- 316L stainless steel hinged cover enclosure with 1/4 turn latch
- Enclosure without entries
- Dimensions on page I6

## Ordering Information

NEC® / CE Code - 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	SAP / Art. No.	Current Rating (AMPS)	V AC	V DC	480 V AC	J -type			
			7150/5-V11-E01-AA-0000-0	286420	15	600			
7150/5-V11-E04-AA-0000-0	286696	30	600	-	20	40 A	6 AWG	T4	55°C
7150/5-V11-D06-AA-0000-0	286698	60	600	240	40	80 A	1/0 AWG	T4	55°C
7150/5-V11-D32-AA-0000-0	286706	100	600	240	75	150 A	300 kcmil	T4	55°C

Disconnect Switch assemblies are 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.

Note: The rated voltage DC shown is the value for 3-pole in series. For 1-pole and 2-pole rated voltage DC values, see IOM.

\*\*Horsepower Ratings (hp) shown above are at 480 V AC for other voltages or Kilowatt ratings please see page I13.



Enclosure without entries  
For Field Entry HUB and Cable Gland, please see page I14.  
For installation, please contact factory.

DISTRIBUTION



## CLASSIFICATIONS

7150/5- Fused Disconnects

NEC®

Class I, Division 2, Groups A,B,C,D T4  
Enclosure Type 3, 4, 4X, IP66

FM17US0039X

Canadian Electrical Code

Zone 2 IIC ^

Class I, Division 2, Groups A,B,C,D ^  
Enclosure Type 3, 4, 4X, IP66

FM17CA0023X

▽ Ambient Temperature

-40°C ... +55°C

-40°F ... +131°F

Based on Temperature Class, T4

# Non-Fused Disconnect Switch 316L Stainless Steel Enclosure

GLOBAL AMPERAGE CONFIGURATIONS  
NORTH AMERICAN CERTIFIED



## CLASSIFICATIONS

7150/5- Non-Fused Disconnects

NEC®

Class I, Division 2, Groups A,B,C,D ^  
Enclosure Type 3, 4, 4X, IP66

FM17US0039X

Canadian Electrical Code

Zone 2 IIC ^

Class I, Division 2, Groups A,B,C,D ^  
Enclosure Type 3, 4, 4X, IP66

FM17CA0023X

^ Ambient Temperature

-50°C ... +55°C

-58°F ... +131°F

Based on Temperature Class, T4



- 3-pole
- Non-fused
- 316L stainless steel screw cover enclosure
- Enclosure without entries
- Dimensions on page I6

## Ordering Information

NEC®/ CE Code - Class I, Division 2			Rated Voltage		**Horse Power Rating	*Required Max. Back-Up Fuse	Max. Wire Size	^Hazardous Location Temperature Class	*Max. Amb. Temp.
Catalog Number	SAP / Art. No.	Current Rating (AMPS)	V AC	V DC	480 V AC	J -type			
			7150/5-V11-E01-00-0000-0	286419	15	600	125	10	20 A
7150/5-V11-E03-00-0000-0	286693	25	600	240	15	40 A	6 AWG	T5	55°C
7150/5-V11-E04-00-0000-0	286695	30 / 32	600	-	20	50 A	6 AWG	T5	55°C
7150/5-V11-D06-00-0000-0	286697	60 / 63	600	240	40	150 A	1/0 AWG	T5	55°C
								T6	40°C
7150/5-V11-D07-00-0000-0	286701	80	480	240	60	150 A	1/0 AWG	T5	55°C
7150/5-V11-D32-00-0000-0	286705	100	600	240	75	200 A	300 kcmil	T4	55°C
7150/5-V11-D08-00-0000-0	286709	125	600	240	100	200 A	300 kcmil	T4	55°C
7150/5-V11-D09-00-0000-0	286713	150	480	240	100	200 A	300 kcmil	T4	55°C

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

Disconnect Switch assemblies are 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.

Note: The rated voltage DC shown is the value for 3-pole in series. For 1-pole and 2-pole rated voltage DC values, see IOM.

\*\*Horsepower Ratings (hp) shown above are at 480 V AC for other voltages or Kilowatt ratings please see page I13.

Standard product without entries, please see page I14 for Field Entry HUB and cable gland. For installation, please consult factory.

# Fused Disconnect Switch 316L Stainless Steel Enclosure

GLOBAL AMPERAGE CONFIGURATIONS  
NORTH AMERICAN CERTIFIED



- 3-pole
- Fused, prewired between fuse and switch
- 316L stainless steel hinged cover enclosure with 1/4 turn latch
- Enclosure without entries
- Dimensions on page I6

## Ordering Information

NEC® / CE Code - 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	SAP / Art. No.	Current Rating (AMPS)	V AC	V DC	480 V AC	J-type			
			7150/5-V11-E01-AA-0000-0	286420	15	600			
7150/5-V11-E03-AA-0000-0	286694	25	600	240	15	40 A	6 AWG	T4	55°C
7150/5-V11-E04-AA-0000-0	286696	30 / 32	600	-	20	40 A	6 AWG	T4	55°C
7150/5-V11-D06-AA-0000-0	286698	60 / 63	600	240	40	80 A	1/0 AWG	T4	55°C
7150/5-V11-D07-AA-0000-0	286702	80	480	240	60	100 A	1/0 AWG	T4	55°C
7150/5-V11-D32-AA-0000-0	286706	100	600	240	75	150 A	300 kcmil	T4	55°C
7150/5-V11-D08-AA-0000-0	286710	125	600	240	100	150 A	300 kcmil	T4	55°C

Disconnect Switch assemblies are 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.

Note: The rated voltage DC shown is the value for 3-pole in series. For 1-pole and 2-pole rated voltage DC values, see IOM.

\*\*Horsepower Ratings (hp) shown above are at 480 VAC for other voltages or Kilowatt ratings please see page I13.

Standard product without entries, please see page I14 for Field Entry HUB and cable gland. For installation, please contact factory.

DISTRIBUTION



## CLASSIFICATIONS

### 7150/5- Fused Disconnects

#### NEC®

Class I, Division 2, Groups A,B,C,D ^  
Enclosure Type 3, 4, 4X, IP66

FM17US0039X

#### Canadian Electrical Code

Zone 2 IIC ^

Class I, Division 2, Groups A,B,C,D ^  
Enclosure Type 3, 4, 4X, IP66

FM17CA0023X

#### ~Ambient Temperature

-40°C ... +55°C

-40°F ... +131°F

Based on Temperature Class, T4

# Non-Fused Disconnect Switch 316L Stainless Steel Enclosure

GLOBAL AMPERAGE CONFIGURATIONS  
GLOBALLY CERTIFIED



## CLASSIFICATIONS

### 8150/5- Non-Fused Disconnects

#### 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 Type 3, 4, 4X, IP66

FM17US0039X

#### Canadian Electrical Code

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 Type 3, 4, 4X, IP66

FM17CA0023X

#### ATEX

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

#### IECEx

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

<sup>^</sup> Ambient Temperature

-50°C ... +55°C  
-58°F ... +131°F

Based on Temperature Class, T4



- 3-pole
- Non-fused
- 316L stainless steel screw cover enclosure
- Enclosure without entries
- Dimensions on page I6

## Ordering Information

NEC® - Class I, Zone 1, CE Code / ATEX / IECEx - Zone 1			Rated Voltage		**Horse Power Rating	*Required Max. Back-Up Fuse	Max. Wire Size	<sup>^</sup> Hazardous Location Temperature Class	<sup>^</sup> Max. Amb. Temp.
Catalog Number	SAP / Art. No.	Current Rating (AMPS)	V AC	V DC	480 V AC	J -type			
			8150/5-V11-E01-00-0000-0	286715	15	600			
8150/5-V11-E02-00-0000-0	286717	16	600	125	10	20 A	8 AWG	T5	55°C
8150/5-V11-E03-00-0000-0	286718	25	600	240	15	40 A	6 AWG	T5	55°C
8150/5-V11-E04-00-0000-0	286719	30 / 32	600	-	20	50 A	6 AWG	T5	55°C
8150/5-V11-D06-00-0000-0	286720	60 / 63	600	240	40	150 A	1/0 AWG	T5 T6	55°C 40°C
8150/5-V11-D07-00-0000-0	286722	80	480	240	60	150 A	1/0 AWG	T5	55°C
#8150/5-V11-D32-00-0000-0	286724	100	600	240	75	200 A	300 kcmil	T4	55°C
#8150/5-V11-D08-00-0000-0	286726	125	600	240	100	200 A	300 kcmil	T4	55°C
#8150/5-V11-D09-00-0000-0	286728	150	480	240	100	200 A	300 kcmil	T4	55°C

# The 8150/5-V11-XXX-00-0000-0 versions (100 A, 125 A and 150 A) do not carry any dust certifications.

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

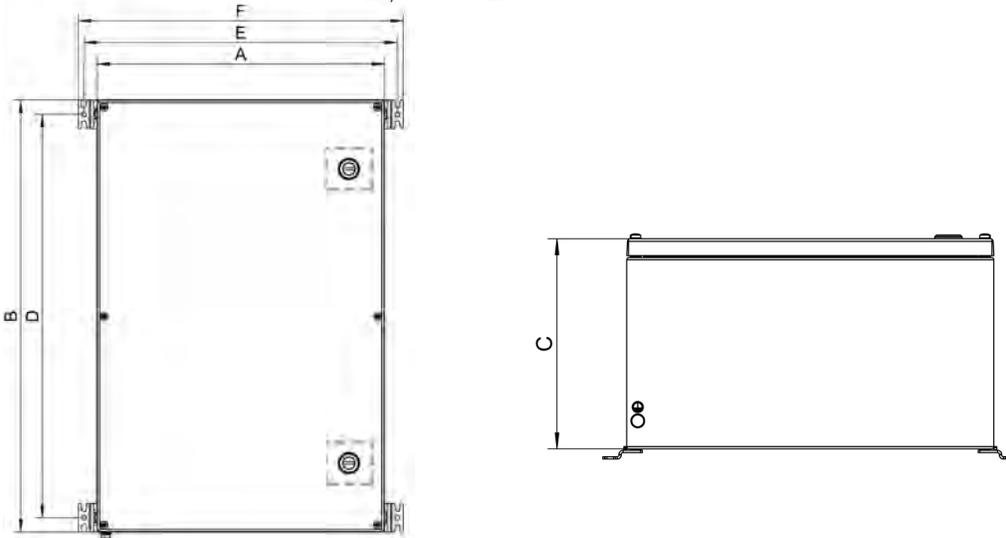
Disconnect Switch assemblies are third-party certified as noted in the certification data above. Components included in the assemblies are third-party certified to the relevant American National Standard Institute (ANSI) standards.

Note: The rated voltage DC shown is the value for 3-pole in series. For 1-pole and 2-pole rated voltage DC values, see IOM.

\*\*Horsepower Ratings (hp) shown above are at 480 V AC for other voltages or Kilowatt ratings please see page I13.

Standard product without entries, please see page I14 for Field Entry HUB and cable gland. For installation, please consult factory.

## STAINLESS STEEL SERIES DISCONNECT SWITCHES FUSED / NON-FUSED



### Dimensions in inches (mm) - Subject to Alterations

Catalog Number	SAP / Art. No.	A	B	C	D	E	F
<b>Non-Fused Disconnect Switch</b>							
7150/5-V11-E01-00-0000-0	286419	6.93 (176)	9.29 (236)	5.90 (150)	7.72 (196)	8.35 (212)	8.98 (228)
7150/5-V11-E03-00-0000-0	286693	6.93 (176)	9.29 (236)	5.90 (150)	7.72 (196)	8.35 (212)	8.98 (228)
7150/5-V11-E04-00-0000-0	286695	6.93 (176)	9.29 (236)	5.90 (150)	7.72 (196)	8.35 (212)	8.98 (228)
7150/5-V11-D06-00-0000-0	286697	11.81 (300)	15.74(400)	5.90 (150)	14.17 (360)	13.23 (336)	13.86 (352)
7150/5-V11-D07-00-0000-0	286701	14.17 (360)	21.65 (550)	9.05 (230)	20.08 (510)	15.60 (396)	16.22 (412)
7150/5-V11-D32-00-0000-0	286705	14.17 (360)	28.62 (727)	5.90 (150)	27.05 (687)	15.60 (396)	16.22 (412)
7150/5-V11-D08-00-0000-0	286709	14.17 (360)	28.62 (727)	5.90 (150)	27.05 (687)	15.60 (396)	16.22 (412)
7150/5-V11-D09-00-0000-0	286713	14.17 (360)	28.62 (727)	7.48 (190)	27.05 (687)	15.60 (396)	16.22 (412)
<b>Fused Disconnect Switch</b>							
7150/5-V11-E01-AA-0000-0	286420	7.87 (200)	11.81 (300)	5.90 (150)	10.24 (260)	9.29 (236)	9.92 (252)
7150/5-V11-E03-AA-0000-0	286694	7.87 (200)	11.81 (300)	5.90 (150)	10.24 (260)	9.29 (236)	9.92 (252)
7150/5-V11-E04-AA-0000-0	286696	7.87 (200)	11.81 (300)	5.90 (150)	10.24 (260)	9.29 (236)	9.92 (252)
7150/5-V11-D06-AA-0000-0	286698	15.75 (400)	23.62 (600)	5.90 (150)	27.05 (687)	15.59 (396)	16.22 (412)
7150/5-V11-D07-AA-0000-0	286702	15.75 (400)	23.62 (600)	5.90 (150)	27.05 (687)	15.59 (396)	16.22 (412)
7150/5-V11-D32-AA-0000-0	286706	18.90 (480)	30.98 (787)	9.06 (230)	29.41 (747)	20.31 (516)	20.94 (532)
7150/5-V11-D08-AA-0000-0	286710	18.90 (480)	30.98 (787)	9.06 (230)	29.41 (747)	20.31 (516)	20.94 (532)
<b>Non-Fused Disconnect Switch</b>							
8150/5-V11-E01-00-0000-0	286715	6.93 (176)	9.29 (236)	5.90 (150)	7.72 (196)	8.35 (212)	8.98 (228)
8150/5-V11-E02-00-0000-0	286717	6.93 (176)	9.29 (236)	5.90 (150)	7.72 (196)	8.35 (212)	8.98 (228)
8150/5-V11-E03-00-0000-0	286718	6.93 (176)	9.29 (236)	5.90 (150)	7.72 (196)	8.35 (212)	8.98 (228)
8150/5-V11-E04-00-0000-0	286719	6.93 (176)	9.29 (236)	5.90 (150)	7.72 (196)	8.35 (212)	8.98 (228)
8150/5-V11-D06-00-0000-0	286720	11.81 (300)	15.74(400)	5.90 (150)	14.17 (360)	13.23 (336)	13.86 (352)
8150/5-V11-D07-00-0000-0	286722	14.17 (360)	21.65 (550)	9.05 (230)	20.08 (510)	15.60 (396)	16.22 (412)
8150/5-V11-D32-00-0000-0	286724	14.17 (360)	28.62 (727)	5.90 (150)	27.05 (687)	15.60 (396)	16.22 (412)
8150/5-V11-D08-00-0000-0	286726	14.17 (360)	28.62 (727)	5.90 (150)	27.05 (687)	15.60 (396)	16.22 (412)
8150/5-V11-D09-00-0000-0	286728	14.17 (360)	28.62 (727)	7.48 (190)	27.05 (687)	15.60 (396)	16.22 (412)

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.



# Non-Fused Disconnect Switch Fiberglass Reinforced Polyester Enclosure

NORTH AMERICAN AMPERAGE CONFIGURATIONS

NORTH AMERICAN CERTIFIED

## CLASSIFICATIONS

7146/5- Non-Fused Disconnects

NEC®

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

FM18US0275X

Canadian Electrical Code

Zone 2 IIC <sup>^</sup>

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

FM18CA0132X

<sup>v</sup>Ambient Temperature

-50°C ... +55°C

-58°F ... +131°F

Based on Temperature Class, T4



- 3-pole
- Non-fused
- FRP screw cover enclosure
- Enclosure without entries
- Dimensions on page I12

## Ordering Information

NEC®/ CE Code - Class I, Division 2			Rated Voltage		**Horse Power Rating	*Required Max. Back-Up Fuse	Max. Wire Size	<sup>^</sup> Hazardous Location Temperature Class	<sup>v</sup> Max. Amb. Temp.
Catalog Number	SAP / Art. No.	Current Rating (AMPS)	V AC	V DC	480 V AC	J-type			
			7146/5-V11-E01-00-0000-0	286730	15	600	125	10	20 A
7146/5-V11-E04-00-0000-0	286736	30	600	-	20	50 A	6 AWG	T5	55°C
7146/5-V11-D06-00-0000-0	286738	60	600	240	40	150 A	1/0 AWG	T5	55°C
7146/5-V11-D32-00-0000-0	286746	100	600	240	75	200 A	300 kcmil	T4	55°C

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

Disconnect Switch assemblies are 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.

Note: The rated voltage DC shown is the value for 3-pole in series. For 1-pole and 2-pole rated voltage DC values, see IOM.

\*\*Horsepower Ratings (hp) shown above are at 480 VAC for other voltages or Kilowatt ratings please see page I13.



Enclosure without entries

For Field Entry HUB and Cable Gland, please see page I14.

For installation, please contact factory.

# Fused Disconnect Switch Fiberglass Reinforced Polyester Enclosure

NORTH AMERICAN AMPERAGE CONFIGURATIONS  
NORTH AMERICAN CERTIFIED



- 3-pole
- Fused, prewired between fuse and switch
- FRP screw cover enclosure
- Enclosure without entries
- Dimensions on page I12

## Ordering Information

NEC®/ CE Code - 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	SAP / Art. No.	Current Rating (AMPS)	V AC	V DC	480 V AC	J -type			
			7146/5-V11-E01-AA-0000-0	286731	15	600			
7146/5-V11-E04-AA-0000-0	286737	30	600	-	20	40 A	6 AWG	T4	55°C
7146/5-V11-D06-AA-0000-0	286739	60	600	240	40	80 A	1/0 AWG	T4	55°C
7146/5-V11-D32-AA-0000-0	286747	100	600	240	75	150 A	300 kcmil	T4	55°C

Disconnect Switch assemblies are 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.

Note: The rated voltage DC shown is the value for 3-pole in series. For 1-pole and 2-pole rated voltage DC values, see IOM.

\*\*Horsepower Ratings (hp) shown above are at 480 VAC for other voltages or Kilowatt ratings please see page I13.



Enclosure without entries

For Field Entry HUB and Cable Gland, please see page I14.

For installation, please contact factory.



DISTRIBUTION



## CLASSIFICATIONS

### 7146/5- Fused Disconnects

NEC®

Class I, Division 2, Groups A,B,C,D ^  
Enclosure Type 3, 4, 4X, IP66

FM APPROVED FM18US0275X

### Canadian Electrical Code

Zone 2 IIC ^

Class I, Division 2, Groups A,B,C,D ^  
Enclosure Type 3, 4, 4X, IP66

FM APPROVED FM18CA0132X

^ Ambient Temperature

-40°C ... +55°C

-40°F ... +131°F

Based on Temperature Class, T4



**CLASSIFICATIONS**

7146/5- Non-Fused Disconnects

NEC®

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

FM18US0275X

Canadian Electrical Code

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

FM18CA0132X

<sup>v</sup>Ambient Temperature

-50°C ... +55°C  
-58°F ... +131°F

Based on Temperature Class, T4

# Non-Fused Disconnect Switch Fiberglass Reinforced Polyester Enclosure

GLOBAL AMPERAGE CONFIGURATIONS  
NORTH AMERICAN CERTIFIED



- 3-pole
- Non-fused
- FRP screw cover enclosure
- Enclosure without entries
- Dimensions on page I12

## Ordering Information

NEC®/ CE Code - Class I, Division 2			Rated Voltage		**Horse Power Rating	*Required Max. Back-Up Fuse	Max. Wire Size	<sup>^</sup> Hazardous Location Temperature Class	<sup>v</sup> Max. Amb. Temp.
Catalog Number	SAP / Art. No.	Current Rating (AMPS)	V AC	V DC	480 V AC	J-type			
			7146/5-V11-E01-00-0000-0	286730	15	600			
7146/5-V11-E03-00-0000-0	286734	25	600	240	15	40 A	6 AWG	T5 T6	55°C 40°C
7146/5-V11-E04-00-0000-0	286736	30 / 32	600	—	20	50 A	6 AWG	T5	55°C
7146/5-V11-D06-00-0000-0	286738	60 / 63	600	240	40	150 A	1/0 AWG	T5	55°C
7146/5-V11-D07-00-0000-0	286742	80	480	240	60	150 A	1/0 AWG	T5	55°C
7146/5-V11-D32-00-0000-0	286746	100	600	240	75	200 A	300 kcmil	T4	55°C
7146/5-V11-D08-00-0000-0	286750	125	600	240	100	200 A	300 kcmil	T4	55°C
7146/5-V11-D09-00-0000-0	286754	150	480	240	100	200 A	300 kcmil	T4	55°C

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

Disconnect Switch assemblies are 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.

Note: The rated voltage DC shown is the value for 3-pole in series. For 1-pole and 2-pole rated voltage DC values, see IOM.

\*\*Horsepower Ratings (hp) shown above are at 480 VAC for other voltages or Kilowatt ratings please see page I13.

Standard product without entries, please see page I14 for Field Entry HUB and cable gland. For installation, please consult factory.



# Fused Disconnect Switch Fiberglass Reinforced Polyester Enclosure

GLOBAL AMPERAGE CONFIGURATIONS  
NORTH AMERICAN CERTIFIED



- 3-pole
- Fused, prewired between fuse and switch
- FRP screw cover enclosure
- Enclosure without entries
- Dimensions on page I12

DISTRIBUTION



## CLASSIFICATIONS

### 7146/5- Fused Disconnects

#### NEC®

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

FM18US0275X

#### Canadian Electrical Code

Zone 2 IIC <sup>^</sup>

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

FM18CA0132X

#### Ambient Temperature

−40°C ... +55°C

−40°F ... +131°F

Based on Temperature Class, T4

## Ordering Information

NEC®/ CE Code - Class I, Division 2			Rated Voltage		**Horse Power Rating	Included Back-Up Fuse	Max. Wire Size	<sup>^</sup> Hazardous Location Temperature Class	<sup>^</sup> Max. Amb. Temp.
Catalog Number	SAP / Art. No.	Current Rating (AMPS)	V AC	V DC	480 V AC	J -type			
			7146/5-V11-E01-AA-0000-0	286731	15	600			
7146/5-V11-E03-AA-0000-0	286735	25	600	240	15	40 A	6 AWG	T4	55°C
7146/5-V11-E04-AA-0000-0	286737	30 / 32	600	—	20	40 A	6 AWG	T4	55°C
7146/5-V11-D06-AA-0000-0	286739	60 / 63	600	240	40	80 A	1/0 AWG	T4	55°C
7146/5-V11-D07-AA-0000-0	286743	80	480	240	60	100 A	1/0 AWG	T4	55°C
7146/5-V11-D32-AA-0000-0	286747	100	600	240	75	150 A	300 kcmil	T4	55°C
7146/5-V11-D08-AA-0000-0	286751	125	600	240	100	150 A	300 kcmil	T4	55°C

Disconnect Switch assemblies are 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.

Note: The rated voltage DC shown is the value for 3-pole in series. For 1-pole and 2-pole rated voltage DC values, see IOM.

\*\*Horsepower Ratings (hp) shown above are at 480 VAC for other voltages or Kilowatt ratings please see page I13.

Standard product without entries, please see page I14 for Field Entry HUB and cable gland. For installation, please consult factory.



# Non-Fused Disconnect Switch Fiberglass Reinforced Polyester Enclosure

GLOBAL AMPERAGE CONFIGURATIONS  
GLOBALLY CERTIFIED

## CLASSIFICATIONS

### 8146/5- Non-Fused Disconnects

#### 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 Type 3, 4, 4X, IP66

FM18US0275X

#### Canadian Electrical Code

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 Type 3, 4, 4X, IP66

FM18CA0132X

#### ATEX

II 2G Ex db eb IIC <sup>^</sup> Gb  
 II 2D Ex tb IIIC <sup>^</sup> Db IP66

PTB 09 ATEX 1109

#### IECEX

Ex db eb IIC <sup>^</sup> Gb  
Ex tb IIIC <sup>^</sup> Db IP66

IECEX PTB 09.0049

<sup>v</sup> Ambient Temperature

-50°C ... +55°C

-58°F ... +131°F

Based on Temperature Class, T4



- 3-pole
- Non-fused
- FRP screw cover enclosure
- Enclosure without entries
- Dimensions on page I12

## Ordering Information

NEC® - Class I, Zone 1, CE Code / IECEx / ATEX - Zone 1			Rated Voltage		**Horse Power Rating	*Required Max. Back-Up Fuse	Max. Wire Size	<sup>^</sup> Hazardous Location Temperature Class	<sup>v</sup> Max. Amb. Temp.
Catalog Number	SAP / Art. No.	Current Rating (AMPS)	V AC	V DC	480 V AC	J-type			
			8146/5-V11-E01-00-0000-0	286756	15	600			
8146/5-V11-E02-00-0000-0	286758	16	600	125	10	20 A	8 AWG	T5	55°C
8146/5-V11-E03-00-0000-0	286759	25	600	240	15	40 A	6 AWG	T5	55°C
8146/5-V11-E04-00-0000-0	286760	30 / 32	600	-	20	50 A	6 AWG	T5	55°C
8146/5-V11-D06-00-0000-0	286761	60 / 63	600	240	40	150 A	1/0 AWG	T5	55°C
8146/5-V11-D07-00-0000-0	286763	80	480	240	60	150 A	1/0 AWG	T5	55°C
#8146/5-V11-D32-00-0000-0	286765	100	600	240	75	200 A	300 kcmil	T4	55°C
#8146/5-V11-D08-00-0000-0	286767	125	600	240	100	200 A	300 kcmil	T4	55°C
#8146/5-V11-D09-00-0000-0	286769	150	480	240	100	200 A	300 kcmil	T4	55°C

# The 8146/5-V11-XXX-00-0000-0 versions (100 A, 125 A and 150 A) do not carry any dust certifications.

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

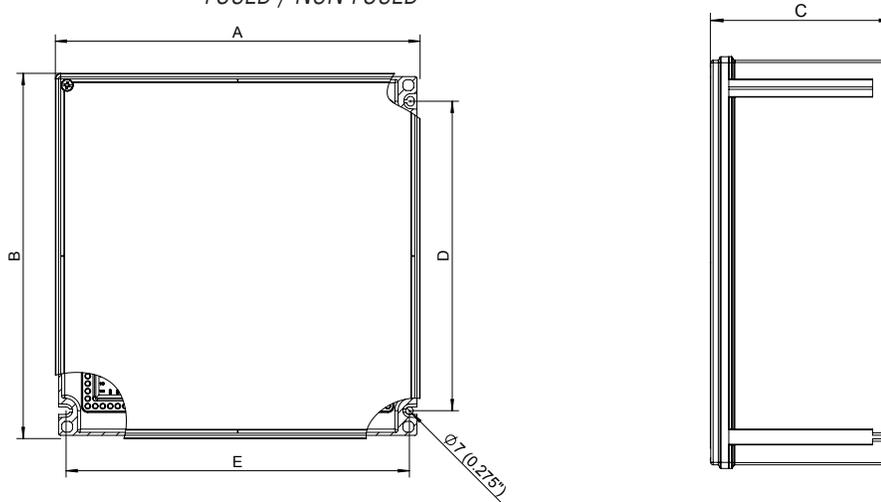
Disconnect Switch assemblies are third-party certified as noted in the certification data above. Components included in the assemblies are third-party certified to the relevant American National Standard Institute (ANSI) standards. Note: The rated voltage DC shown is the value for 3-pole in series. For 1-pole and 2-pole rated voltage DC values, see IOM.

\*\*Horsepower Ratings (hp) shown above are at 480 VAC for other voltages or Kilowatt ratings please see page I13.

Product without entries, please see page I14 for Field Entry HUB and cable gland. For installation, please consult factory.



## FRP SERIES DISCONNECT SWITCHES FUSED / NON-FUSED



### Dimensions in inches (mm) - Subject to Alterations

Catalog Number	Article #	A	B	C	D	E
<b>Non-Fused Disconnect Switch</b>						
7146/5-V11-E01-00-0000-0	286730	6.69 (170)	6.69 (170)	5.16 (131)	4.65 (118)	5.98 (152)
7146/5-V11-E03-00-0000-0	286734	6.69 (170)	8.94 (227)	5.16 (131)	6.89 (175)	5.98 (152)
7146/5-V11-E04-00-0000-0	286736	6.69 (170)	8.94 (227)	5.16 (131)	6.89 (175)	5.98 (152)
7146/5-V11-D06-00-0000-0	286738	13.41 (340.5)	13.41 (340.5)	5.91 (150)	9.00 (228.5)	12.70 (322.5)
7146/5-V11-D07-00-0000-0	286742	13.41 (340.5)	13.41 (340.5)	5.91 (150)	9.00 (228.5)	12.70 (322.5)
7146/5-V11-D32-00-0000-0	286746	13.41 (340.5)	26.83 (681.5)	7.48 (190)	24.78 (629.5)	12.70 (322.5)
7146/5-V11-D08-00-0000-0	286750	13.41 (340.5)	26.83 (681.5)	7.48 (190)	24.78 (629.5)	12.70 (322.5)
7146/5-V11-D09-00-0000-0	286754	13.41 (340.5)	26.83 (681.5)	7.48 (190)	24.78 (629.5)	12.70 (322.5)
<b>Fused Disconnect Switch</b>						
7146/5-V11-E01-AA-0000-0	286731	6.69 (170)	13.41 (340.5)	5.16 (131)	11.36 (288.5)	5.98 (152)
7146/5-V11-E03-AA-0000-0	286735	6.69 (170)	13.41 (340.5)	5.16 (131)	11.36 (288.5)	5.98 (152)
7146/5-V11-E04-AA-0000-0	286737	6.69 (170)	13.41 (340.5)	5.16 (131)	11.36 (288.5)	5.98 (152)
7146/5-V11-D06-AA-0000-0	286739	13.41 (340.5)	26.83 (681.5)	5.91 (150)	24.78 (629.5)	12.70 (322.5)
7146/5-V11-D07-AA-0000-0	286743	13.41 (340.5)	26.83 (681.5)	5.91 (150)	24.78 (629.5)	12.70 (322.5)
7146/5-V11-D32-AA-0000-0	286747	13.41 (340.5)	26.83 (681.5)	7.48 (190)	24.78 (629.5)	12.70 (322.5)
7146/5-V11-D08-AA-0000-0	286751	13.41 (340.5)	26.83 (681.5)	7.48 (190)	24.78 (629.5)	12.70 (322.5)
<b>Non-Fused Disconnect Switch</b>						
8146/5-V11-E01-00-0000-0	286756	6.69 (170)	6.69 (170)	5.16 (131)	4.65 (118)	5.98 (152)
8146/5-V11-E02-00-0000-0	286758	6.69 (170)	6.69 (170)	5.16 (131)	4.65 (118)	5.98 (152)
8146/5-V11-E03-00-0000-0	286759	6.69 (170)	8.94 (227)	5.16 (131)	6.89 (175)	5.98 (152)
8146/5-V11-E04-00-0000-0	286760	6.69 (170)	8.94 (227)	5.16 (131)	6.89 (175)	5.98 (152)
8146/5-V11-D06-00-0000-0	286761	13.41 (340.5)	13.41 (340.5)	5.91 (150)	9.00 (228.5)	12.70 (322.5)
8146/5-V11-D07-00-0000-0	286763	13.41 (340.5)	13.41 (340.5)	5.91 (150)	9.00 (228.5)	12.70 (322.5)
8146/5-V11-D32-00-0000-0	286765	13.41 (340.5)	26.83 (681.5)	7.48 (190)	24.78 (629.5)	12.70 (322.5)
8146/5-V11-D08-00-0000-0	286767	13.41 (340.5)	26.83 (681.5)	7.48 (190)	24.78 (629.5)	12.70 (322.5)
8146/5-V11-D09-00-0000-0	286769	13.41 (340.5)	26.83 (681.5)	7.48 (190)	24.78 (629.5)	12.70 (322.5)

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.

DISCONNECT SWITCHES

Technical Data

Current Rating (AMPS)	Rated Voltage		Horse Power Rating							*Required Max. Back-Up Fuse	Short-circuit protection (sym RMS)	Max. Wire Size		^Haz. Location Temp. Class	*Max. Amb. Temp.
	V AC	V DC	600 V AC	480 V AC	240 V AC	120 V AC	60 V DC**	125 V DC**	250 V DC**	J -type	kA	AWG	kcmil		
15	600	125	10	10	5	2	–	–	–	20 A	8	8	–	T5	55°C
16	600	125	10	10	5	2	–	–	–	20 A	8	8	–	T5	55°C
25	600	240	15	15	7.5	3	–	3	5	40 A	20	6	–	T5	55°C
30 / 32	600	-	30	20	10	3	–	–	–	50 A	10	6	–	T5	55°C
60 / 63	600	240	50	40	20	10	–	7.5	15	150 A	20	1/0	–	T5	55°C
														T6	40°C
80	480	240	-	60	30	10	10(1)	10(2)	30(3)	150 A	20	1/0	–	T5	55°C
														T6	40°C
100	600	240	100	75	50	20	–	10(2)	20(3)	200 A	25	–	300	T4	55°C
														T5	40°C
125	600	240	125	100	50	25	–	10(2)	20(3)	200 A	25	–	300	T4	55°C
														T5	40°C
150	480	240	-	100	50	25	–	10(2)	20(3)	200 A	25	–	300	T4	55°C

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

Note: The rated voltage DC shown is the value for 3-pole in series. For 1-pole and 2-pole rated voltage DC values, see IOM.

\*\*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 Max. Back-Up Fuse	Short-circuit protection (sym RMS)	Max. Wire Size		^Haz. Location Temp. Class	*Max. Amb. Temp.	
	V AC	V DC	690 V AC	500 V AC	400 V AC	230 V AC	J -type	kA	AWG	kcmil			
16	690		11	7.5	7.5	4	20 A	8	8	–	T5	55°C	
											T6	40°C	
25	690		15	15	11	5.5	40 A	20	6	–	T5	55°C	
63	690		55	37	30	18.5	150 A	20	20	1/0	–	T5	55°C
												T6	40°C
80	500	-	55	45	22	150 A	20	20	1/0	–	–	T5	55°C
												T6	40°C
125	690		110	75	55	37	200 A	25	–	300	–	T4	55°C
												T6	40°C
150	500	-	90	75	45	200 A	25	–	300	–	300	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.

CABLE GLANDS / CONDUIT HUBS  
NORTH AMERICAN CERTIFIED



## 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		SAP / Art. No.
		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.



## Hazardous Location Conduit Hubs with Grounding Terminal

NOTE: For conduit hubs, please contact factory.

### 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

##### Canadian Electrical Code

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 3, 4 and 4X; IP66



Continuous Operating Temperature  
-60°C ... +130°C  
-76°F ... +266°F

COMPARISON OF OLD AND NEW PART NUMBERS

7150/5-V11 316L Stainless Steel Disconnect Switches		
Previous	New	
Catalog Number	Catalog Number	SAP / Art. No.
7150/5-501-0000	7150/5-V11-E01-00-0000-0	286419
7150/5-503-0000	7150/5-V11-E03-00-0000-0	286693
7150/5-504-0000	7150/5-V11-E04-00-0000-0	286695
7150/5-506-0000	7150/5-V11-D06-00-0000-0	286697
7150/5-507-0000	7150/5-V11-D07-00-0000-0	286701
7150/5-508-0000	7150/5-V11-D08-00-0000-0	286709
7150/5-509-0000	7150/5-V11-D09-00-0000-0	286713
7150/5-521-0000	7150/5-V11-E01-AA-0000-0	286420
7150/5-523-0000	7150/5-V11-E03-AA-0000-0	286694
7150/5-524-0000	7150/5-V11-E04-AA-0000-0	286696
7150/5-526-0000	7150/5-V11-D06-AA-0000-0	286698
7150/5-527-0000	7150/5-V11-D07-AA-0000-0	286702
7150/5-528-0000	7150/5-V11-D08-AA-0000-0	286710
7150/5-541-0000	7150/5-V11-H01-00-0500-0	286691
7150/5-546-0000	7150/5-V11-H06-00-0500-0	286699
7150/5-547-0000	7150/5-V11-H07-00-0500-0	286703
7150/5-548-0000	7150/5-V11-H08-00-0500-0	286711
7150/5-549-0000	7150/5-V11-H09-00-0500-0	286714
7150/5-551-0000	7150/5-V11-H01-AA-0500-0	286692
7150/5-556-0000	7150/5-V11-H06-AA-0500-0	286700
7150/5-557-0000	7150/5-V11-H07-AA-0500-0	286704
7150/5-558-0000	7150/5-V11-H08-AA-0500-0	286712

7146/5-V11 FRP Disconnect Switches		
Previous	New	
Catalog Number	Catalog Number	SAP / Art. No.
7146/5-601-0000	7146/5-V11-E01-00-0000-0	286730
7146/5-603-0000	7146/5-V11-E03-00-0000-0	286734
7146/5-604-0000	7146/5-V11-E04-00-0000-0	286736
7146/5-606-0000	7146/5-V11-D06-00-0000-0	286738
7146/5-607-0000	7146/5-V11-D07-00-0000-0	286742
7146/5-608-0000	7146/5-V11-D08-00-0000-0	286750
7146/5-609-0000	7146/5-V11-D09-00-0000-0	286754
7146/5-621-0000	7146/5-V11-E01-AA-0000-0	286731
7146/5-623-0000	7146/5-V11-E03-AA-0000-0	286735
7146/5-624-0000	7146/5-V11-E04-AA-0000-0	286737
7146/5-626-0000	7146/5-V11-D06-AA-0000-0	286739
7146/5-627-0000	7146/5-V11-D07-AA-0000-0	286743
7146/5-628-0000	7146/5-V11-D08-AA-0000-0	286751
7146/5-641-0000	7146/5-V11-H01-00-0500-0	286732
7146/5-646-0000	7146/5-V11-H06-00-0500-0	286740
7146/5-647-0000	7146/5-V11-H07-00-0500-0	286744
7146/5-648-0000	7146/5-V11-H08-00-0500-0	286752
7146/5-649-0000	7146/5-V11-H09-00-0500-0	286755
7146/5-651-0000	7146/5-V11-H01-AA-0500-0	286733
7146/5-656-0000	7146/5-V11-H06-AA-0500-0	286741
7146/5-657-0000	7146/5-V11-H07-AA-0500-0	286745
7146/5-658-0000	7146/5-V11-H08-AA-0500-0	286753

8150/5-V11 316L Stainless Steel Disconnect Switches		
Previous	New	
Catalog Number	Catalog Number	SAP / Art. No.
8150/5-501-0000	8150/5-V11-E01-00-0000-0	286715
8150/5-502-0000	8150/5-V11-E02-00-0000-0	286717
8150/5-503-0000	8150/5-V11-E03-00-0000-0	286718
8150/5-504-0000	8150/5-V11-E04-00-0000-0	286719
8150/5-506-0000	8150/5-V11-D06-00-0000-0	286720
8150/5-507-0000	8150/5-V11-D07-00-0000-0	286722
8150/5-508-0000	8150/5-V11-D08-00-0000-0	286726
8150/5-509-0000	8150/5-V11-D09-00-0000-0	286728
8150/5-541-0000	8150/5-V11-H01-00-0500-0	286716
8150/5-546-0000	8150/5-V11-H06-00-0500-0	286721
8150/5-547-0000	8150/5-V11-H07-00-0500-0	286723
8150/5-548-0000	8150/5-V11-H08-00-0500-0	286727
8150/5-549-0000	8150/5-V11-H09-00-0500-0	286729

8146/5-V11 FRP Disconnect Switches		
Previous	New	
Catalog Number	Catalog Number	SAP / Art. No.
8146/5-601-0000	8146/5-V11-E01-00-0000-0	286756
8146/5-602-0000	8146/5-V11-E02-00-0000-0	286758
8146/5-603-0000	8146/5-V11-E03-00-0000-0	286759
8146/5-604-0000	8146/5-V11-E04-00-0000-0	286760
8146/5-606-0000	8146/5-V11-D06-00-0000-0	286761
8146/5-607-0000	8146/5-V11-D07-00-0000-0	286763
8146/5-608-0000	8146/5-V11-D08-00-0000-0	286767
8146/5-609-0000	8146/5-V11-D09-00-0000-0	286769
8146/5-641-0000	8146/5-V11-H01-00-0500-0	286757
8146/5-646-0000	8146/5-V11-H06-00-0500-0	286762
8146/5-647-0000	8146/5-V11-H07-00-0500-0	286764
8146/5-648-0000	8146/5-V11-H08-00-0500-0	286768
8146/5-649-0000	8146/5-V11-H09-00-0500-0	286770