# Renewal parts for Power Xpert™XGIS arc resistant gas insulated switchgear



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## **Parts identification**

This renewal parts list contains descriptions and style numbers for XGIS gas insulated switchgear.

When ordering renewal or spare parts, include as much information as possible. In many cases the style number of the new part can be obtained from identification on the old part. Always include a description of the part. Specify the rating, structure number, and project General Order (G. O.) number of the switch gear vertical section in which the part is to be used. The project G. O. number is specific to the customer project and can be found on Switchgear Ratings labels mounted on each vertical section. **Figure 1** shows an example Switchgear Ratings label, with the G.O. number field highlighted.

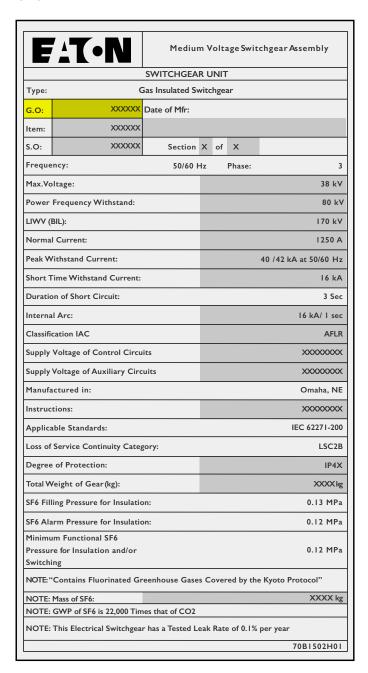


Figure 1. XGIS switchgear vertical section ratings label

# **Ordering information**

- 1. G. O. number
- 2. Description and style number
- 3. Quantity

#### **NOTICE**

EATON'S ENGINEERING SERVICES & SYSTEMS (EESS) OFFERS PARTS INSTALLATION AND AUTHORIZED REPAIR.

CALL 1-800-498-2678 OR VISIT HTTP://WWW.EATON.COM/EESS FOR THE EESS DISTRICT OPERATING CENTER NEAREST YOU.

FOR ADDITIONAL PRODUCT INFORMATION, PLEASE CONTACT YOUR LOCAL EATON AUTHORIZED SALES REPRESENTATIVE.

# SSIS busbar and bus joint renewal parts

**Table 1** is a list of SSIS busbar and bus joint part numbers. **Figure 2** shows an assembled SSIS bus and joints section. **Figure 3** shows busbar and bus joint components, with corresponding part numbers shown in bold.

Where a part is shown more than once, its part number is shown only once.

Where hardware part numbers are not shown, it is because those parts are included in their bus joint part numbers.

Table 1. SSIS bus and bus joints hardware

Busbar sections	1250 A busbars	2500 A busbars	
Connecting 600 mm to 600 mm vertical sections	<b>87A1003H01</b> L=600mm (qty 3 required)	<b>87A1003H02</b> L=600mm (qty 3 required)	
Connecting 600 mm to 800 mm vertical sections	Not applicable	<b>87A1003H03</b> L=650mm (qty 1), <b>87A1003H04</b> L=700mm (qty 1), <b>87A1003H05</b> L=750mm (qty 1)	
Connecting 800 mm to 800 mm vertical sections	Not applicable	<b>87A1003H06</b> L=800mm (qty 3 required)	
Bus joint component kits			
	'	<b>2500 A joints</b> (2500 A main bus and 1250 A tank):	
Cross bus joint		87A1004H04	
End bus joint		87A1004H03	
F interface plug		87A1004H06	
	<b>1250 A joints</b> (1250 A main bus and 1250 A tank)	<b>2500 A joints</b> (2500 A main bus and 2500 A tank):	
Cross bus joint	87A1004H02	87A1004H04	
End bus joint	87A1004H01	87A1004H03	
C interface plug	87A1004H05	87A1004H05	

#### Notes

- Busbar is available in two current ratings: 1250 A and 2500 A.
- Due to tank main bus cone locations, busbar length varies depending upon the vertical sections being connected and must be specified in the catalog number. The above table identifies part numbers, busbar lengths and quantities required for the connection types and the busbar current ratings.
- Busbar lengths for each connection type will be the same for main bus connections and bus tie connections.
- Bus joints vary depending on the incoming bus rating and the outgoing bus rating.
- Bus joint hardware, including threaded rods, lock washers, nuts, clamshells, end discs and caps are furnished in a bus joint kit.
- · Bus joint caps, discs and clamshells are furnished as part of the above component kits and are not available separately.



Figure 2. Assembled end bus joint, SSIS bus and cross bus joint.

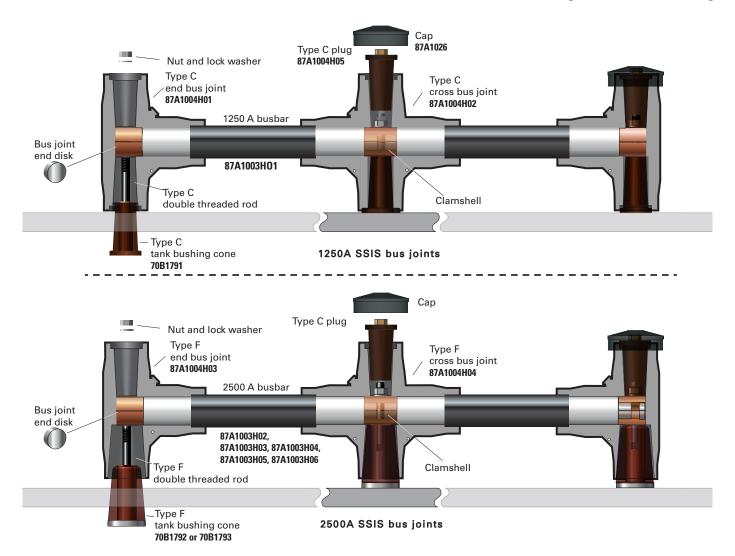


Figure 3. Representative busbar and bus joint components.

#### **XGIS** miscellaneous parts

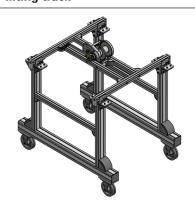
The parts tables in this document include part numbers that may define a family of items, not a specific part. It is best to order parts using the part number as a guide and including the G. O. number and a description of what is to be ordered.

Renewal parts catalog for Power Xpert<sup>TM</sup> XGIS arc resistant gas insulated switchgear

Table 2. XGIS other renewal parts

Description		Part description	Quantity	Part number
VT Installation/remov	val tool			'
		VT Installation/removal tool	1	87A1060G01

# VT lifting truck



Convertible VT lifting truck	1	87A1090G01
Rail kit for front to back lifting	1 set	87C2288
Rail kit for side lifting (basic)	1 set	87C2289
Rail kit for side lifting (expansion kit) (additional rail sections and hardware for long lineup)	1 set	87C2290

# Three-position switch manual operating T-handle

T-handle for 3PDS manual operation 1 87A1027H01



SSIS accessories			
Cleaning cloths	Cleaning cloths soaked in cleaning solvent (must be used; no alternative is acceptable)	1 set	87A1045H01
Main bus grease	Main bus silicone grease	1 pack	87A1046H01
Cable tee connector grease	Cable tee connector silicone grease	1 gal. bucket	87A1098H01
		5 gal. bucket	87A1098H02
		40 lb. bucket	87A1098H03

Technical Data TD022003E
Effective November 2020

escription	Part description	Quantity	Part number
exterior components			
oor hardware, vertical section			
	Vertical section door hardware kit	1	87A1001
oor gasket, vertical section			
	Vertical section door gasket	1	87A1002
ircuit breaker indicating lights			
	Green indicating light for circuit breaker status	1	10250T197LGP2D
	Red indicating light for circuit breaker status	1	10250T197LRP2D
hree-Position Switch indicating lights			
	Green indicating light for 3PDS position	1	10250T197LGP2D
	Red indicating light for 3PDS position	1	10250T197LRP2D
	Amber indicating light for 3PDS position	1	10250T197LAP2D
hree-Position Switch operation pushbuttons			
	Orange pushbutton for electrical 3PDS operation	1	10250T109
	Green pushbutton for electrical 3PDS operation	1	10250T103-2
	Red pushbutton for electrical 3PDS operation	1	10250T102-2
	White pushbutton for electrical 3PDS operation	1	10250T106-2
oltage presence indication device			
高压带电显示器 Voltage Indicator  L1 L2 L3 Diagnosisk*Check	Capacitance voltage presence sensor and indicator	1	87A1061

# Voltage detection system device (VDS) Voltage detection and indication with outputs 1 87A1067

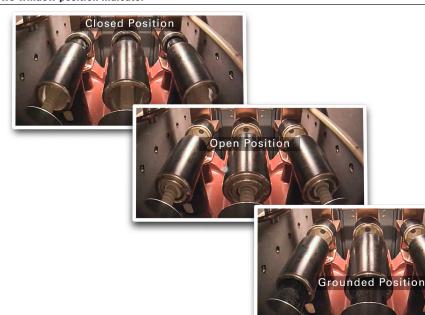
#### Interior components

Three-position switch	Firmware and logic software for 3PDS motor controller	1 set	87A1089
Matau aantuallau fiumuuana 9 laddau lania			

Three-position switch Two-window position indicator

XGIS Three-Position Switch Visual Reference

87A1097



#### Three-position switch Kirk lock / padlock mechanism limit switch



Three-position switch limit switch used for Kirk lock/padlock PG (Prevent Grounding), PC (Prevent Closing) or PBO interlocks

E47BMS10

Description Part description Quantity Part number Three-position switch manual operation door blocking coil Three-position switch solenoid coil for prohibiting manual 87A1110 **Auxiliary relays and contacts** 24 VDC relays and contacts for auxiliary control KRPA-14DG-24 Low voltage control fuses Fuses for low voltage control applications **NON** series Low voltage circuit breakers Circuit breakers for low voltage control application **FAZ** series Contact the factory and provide the GO# when ordering replacements or spares for these components Voltage transformer fuses Breaker control switch kit 87A1029 Breaker Control Switch Kit (includes switch, nameplate, contact block) OPEN CLOSE

escription	Part description	Quantity	Part number
Pressure gauge			
ROYE 15 St. articulus for control of the control of	SF6 Tank pressure gauge	1	87A1043
Medium voltage main bus hardw	are		
Dummy plug, #2 inner cone			
Bushing cap, type C interface	Dummy plug for cross or end bus joint top cone	1	87A1025
	Cap for 1250A end or cross bus joint top cone	1	87A1026
Current transformers	Contact the factory and provide the GO# when ordering replacements or spares for these components.		
Current transformers	Contact the factory and provide the GO# when ordering replacements or spares for these components.		
250 A Type C outer cone			
	SF6 tank main bus or tie bus type C cone for 1250 A	1	70B1791

Description Part description Quantity Part number 1250 A Type F outer cone SF<sub>6</sub> tank main bus or tie bus type F cone for 1250 A 70B1792 2500 A Type F outer cone  $SF_6$  tank main bus or tie bus type C cone for 2500 A 70B1793 Medium voltage cable compartment hardware Surge arresters 87A1007 Cable connector surge arrester Cable cleats 87A1009 Cable compartment cable retaining cleats (part numbers cover cable diameters from 34 to 58 sq mm) Shear bolt lugs



Description	Part description	Quantity	Part number
able tee connector interface C no lug			
	Tee body cable connector C without lug	1	87A1037
Cable companion connector no lug			
	Companion cable connector without lug	1	87A1038
able tee connector interface C with mechanical lug	1		
	Tee body cable connector C with lug	1	87A1039
Cable companion connector with mechanical lug			
	Companion cable connector with lug	1	87A1040

Description	Part description	Quantity	Part number
Stud and rod for tee bolt			
	Stud and rod for connecting Tee and companion connectors	1 set	87A1070
Surge arrester hose clamp			
	Cable compartment surge arrester retaining clamp	1	87A1071



#### **Cable bushing for CT and Tee connector**

 $SF_{g}$  tank bushing for mounting CTs and Tee connector 1 **70B1790** 



#### **Space Heater**

100W at 240 V 1 **3614A50H14** 



Renewal parts catalog for Power Xpert<sup>TM</sup> XGIS arc resistant gas insulated switchgear

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Notes:	

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