

# HIGH VOLTAGE SWITCH DATA SHEET (HVLBS)

DATE : 8/31/2023

CUSTOMER : HVES

SUB. : HVES #17

FEEDER : Bay 1 Switch

MFR. : S&C

M/N Type : PMH 6 - 5512R2-B1G1G2HJP1-S260

S/N : N/A

INTERRUPTING CAPACITY : 40ka

kV RATING : 17

AMPERAGE : 600

BIL : 95

DUTY CYCLE : 40ka

FUSES :

PUB. / I.B. :

**ENVIRONMENT** ☐ Indoor ☒ Outdoor ☒ Dry ☐ Wet ☐ Damp ☒ Clean ☐ Dirty

## VISUAL INSPECTION

SATISFACTORY UNSATISFACTORY CORRECTED

- |  |                                     |                          |                          |
|--|-------------------------------------|--------------------------|--------------------------|
| 1. Inspect insulators for breaks, cracks or burns.   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Inspect contacts for alignment, pressure, burns or corrosion.   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Check for proper lubrication, wipes, gaps and clearances. Check blade lock or latch.  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Inspect inter-phase mechanical linkages, operating rods, levers, bearings for adjustment, lubrication, tightness or damage. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. Check that ground straps and ground slip rings have good contact.   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6. Inspect overall switch including controls and indicators for good working condition.  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

## 7. CLOSED CONTACT RESISTANCE (DUCTER) TESTS at : 100 Amps

Measured in ☐ Milliohms ☒ Micro-ohms

SATISFACTORY UNSATISFACTORY CORRECTION REQUIRED

Phase A :	26.11	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Phase B :	27.02	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Phase C :	26.34	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## 8. MEGGER TESTS Measured in Megaohms at: VDC

<u>Primary</u>		<u>Secondary</u>	
Phase A :	100k M-Ohms	Phase A :	100k M-Ohms
Phase B :	100k M-Ohms	Phase B :	100k M-Ohms
Phase C :	100k M-Ohms	Phase C :	100k M-Ohms
A - B :	100k M-Ohms	A - B :	100k M-Ohms
B - C :	100k M-Ohms	B - C :	100k M-Ohms
C - A :	100k M-Ohms	C - A :	100k M-Ohms

## COMMENTS

# HIGH VOLTAGE SWITCH DATA SHEET (HVLBS)

DATE : 8/31/2023

CUSTOMER : HVES

SUB. : HVES #17

FEEDER : Bay 2 Switch

MFR. : S&C

M/N Type : PMH 6 - 5512R2-B1G1G2HJP1-S260

S/N : N/A

INTERRUPTING CAPACITY : 40ka

kV RATING : 17

AMPERAGE : 600

BIL : 95

DUTY CYCLE : 40ka

FUSES :

PUB. / I.B. :

**ENVIRONMENT** ☐ Indoor ☒ Outdoor ☒ Dry ☐ Wet ☐ Damp ☒ Clean ☐ Dirty

## **VISUAL INSPECTION**

SATISFACTORY UNSATISFACTORY CORRECTED

- |  |                                     |                          |                          |
|--|-------------------------------------|--------------------------|--------------------------|
| 1. Inspect insulators for breaks, cracks or burns.   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Inspect contacts for alignment, pressure, burns or corrosion.   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Check for proper lubrication, wipes, gaps and clearances. Check blade lock or latch.  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Inspect inter-phase mechanical linkages, operating rods, levers, bearings for adjustment, lubrication, tightness or damage. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. Check that ground straps and ground slip rings have good contact.   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6. Inspect overall switch including controls and indicators for good working condition.  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

## 7. **CLOSED CONTACT RESISTANCE (DUCTER) TESTS** at : 100 Amps

Measured in ☐ Milliohms ☒ Micro-ohms

SATISFACTORY UNSATISFACTORY CORRECTION REQUIRED

Phase A :	23.18	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Phase B :	23.76	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Phase C :	24.04	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## 8. **MEGGER TESTS** Measured in Megaohms at: VDC

<u>Primary</u>		<u>Secondary</u>	
Phase A :	100k M-Ohms	Phase A :	100k M-Ohms
Phase B :	100k M-Ohms	Phase B :	100k M-Ohms
Phase C :	100k M-Ohms	Phase C :	100k M-Ohms
A - B :	100k M-Ohms	A - B :	100k M-Ohms
B - C :	100k M-Ohms	B - C :	100k M-Ohms
C - A :	100k M-Ohms	C - A :	100k M-Ohms

## COMMENTS

# HIGH VOLTAGE SWITCH DATA SHEET (HVLBS)

DATE : 8/31/2023	INTERRUPTING CAPACITY : 40ka
CUSTOMER : HVES	kV RATING : 17
SUB. : HVES #17	AMPERAGE : 600
FEEDER : Bay 3 Fuse Bay	BIL : 95
MFR. : S&C	DUTY CYCLE : 40ka
M/N Type : PMH 6 - 5512R2-B1G1G2HJP1-S260	FUSES : 100E
S/N : N/A	PUB. / I.B. :

**ENVIRONMENT**  
 ☐ Indoor  
 ☒ Outdoor  
 ☒ Dry  
 ☐ Wet  
 ☐ Damp  
 ☒ Clean  
 ☐ Dirty

VISUAL INSPECTION	<u>SATISFACTORY</u>	<u>UNSATISFACTORY</u>	<u>CORRECTED</u>
1. Inspect insulators for breaks, cracks or burns.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Inspect contacts for alignment, pressure, burns or corrosion.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Check for proper lubrication, wipes, gaps and clearances. Check blade lock or latch.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Inspect inter-phase mechanical linkages, operating rods, levers, bearings for adjustment, lubrication, tightness or damage.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Check that ground straps and ground slip rings have good contact.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Inspect overall switch including controls and indicators for good working condition.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7. <b>CLOSED CONTACT RESISTANCE (DUCTER) TESTS</b> at : 100 Amps			
Measured in <input type="checkbox"/> Milliohms <input checked="" type="checkbox"/> Micro-ohms		<u>SATISFACTORY</u>	<u>UNSATISFACTORY</u>
Phase A :	37.24	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Phase B :	38.16	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Phase C :	39.04	<input checked="" type="checkbox"/>	<input type="checkbox"/>

8. <b>MEGGER TESTS</b> Measured in Megaohms at: VDC			
<u>Primary</u>	Phase A :	100k M-Ohms	<u>Secondary</u>
	Phase B :	100k M-Ohms	Phase A :
	Phase C :	100k M-Ohms	Phase B :
	A - B :	100k M-Ohms	Phase C :
	B - C :	100k M-Ohms	A - B :
	C - A :	100k M-Ohms	B - C :
			C - A :

COMMENTS



# C PAD-MOUNTED GEAR

LOG  
BER

55122R2-B1G1G2HJP1-  
S260

EL  
MBER

Manual PMH-6

COVERED BY ONE OR MORE  
OF THE FOLLOWING U.S. PATENTS:

49849	3,671,697	4,102,475	D 256,352
63102	3,676,629	4,123,639	D 256,353
72062	3,974,397	4,142,078	D 256,354
76967	3,980,977	4,268,811	D 256,355
		4,398,072	

S&C ELECTRIC COMPANY  
CHICAGO, ILLINOIS 60626

4700R2

MADE IN U.S.A.

D-56255



**KOHLER®**

**SWITCH#17**

**40**





SWITCH #17