

HIGH VOLTAGE SWITCH DATA SHEET (HVLBS)

DATE : 8/31/2023
 CUSTOMER : HVES
 SUB. : HVES #12
 FEEDER : Bay 1 Switch
 MFR. : S&C
 M/N Type : PMH 6
 S/N : 5512R2-B1G1G2HJP1-S260

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.
2. Inspect contacts for alignment, pressure, burns or corrosion.
3. Check for proper lubrication, wipes, gaps and clearances. Check blade lock or latch.
4. Inspect inter-phase mechanical linkages, operating rods, levers, bearings for adjustment, lubrication, tightness or damage.
5. Check that ground straps and ground slip rings have good contact.
6. Inspect overall switch including controls and indicators for good working condition.

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

Measured in ☐ Milliohms ☒ Micro-ohms

SATISFACTORY UNSATISFACTORY CORRECTION REQUIRED

Phase A :	22.34	☒	☐	☐
Phase B :	23.67	☒	☐	☐
Phase C :	22.78	☒	☐	☐

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 #12
 FEEDER : Bay 2 Switch
 MFR. : S&C
 M/N Type : PMH 6
 S/N : 5512R2-B1G1G2HJP1-S260

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. | ☒ | ☐ | ☐ |
| 2. Inspect contacts for alignment, pressure, burns or corrosion. | ☒ | ☐ | ☐ |
| 3. Check for proper lubrication, wipes, gaps and clearances. Check blade lock or latch. | ☒ | ☐ | ☐ |
| 4. Inspect inter-phase mechanical linkages, operating rods, levers, bearings for adjustment, lubrication, tightness or damage. | ☒ | ☐ | ☐ |
| 5. Check that ground straps and ground slip rings have good contact. | ☒ | ☐ | ☐ |
| 6. Inspect overall switch including controls and indicators for good working condition. | ☒ | ☐ | ☐ |

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

Measured in ☐ Milliohms ☒ Micro-ohms

SATISFACTORY UNSATISFACTORY CORRECTION REQUIRED

Phase A :	22.84	☒	☐	☐
Phase B :	21.62	☒	☐	☐
Phase C :	21.85	☒	☐	☐

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

<u>Primary</u>	Phase A :	100k M-Ohms	<u>Secondary</u>	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 #12
 FEEDER : Bay 3 Fuse Bay
 MFR. : S&C
 M/N Type : PMH 6
 S/N : 5512R2-B1G1G2HJP1-S260

INTERRUPTING CAPACITY : 40ka
 KV RATING : 17
 AMPERAGE : 600
 BIL : 95
 DUTY CYCLE : 40ka
 FUSES : 100E
 PUB. / I.B. :

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

VISUAL INSPECTION

SATISFACTORY UNSATISFACTORY CORRECTED

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

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

Measured in ☐ Milliohms ☒ Micro-ohms

SATISFACTORY UNSATISFACTORY CORRECTION REQUIRED

Phase A :	37.18	☒	☐	☐
Phase B :	36.24	☒	☐	☐
Phase C :	37.42	☒	☐	☐

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

S&C PAD-MOUNTED GEAR

CATALOG
NUMBER

55122R2-B1G1G2HJP1-
S260

MODEL
NUMBER

Manual PMH-6

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

3.549.840	3.671.697	4.102.475	D 256.352
3.563.102	3.676.629	4.123.639	D 256.353
3.572.062	3.974.397	4.142.078	D 256.354
3.576.967	3.980.977	4.268.811	D 256.355
		4.398.072	

S&C ELECTRIC COMPANY

G-4700R2

CHICAGO, ILLINOIS 60626

MADE IN U.S.A.

D-56337



HIGH VOLTAGE
KEEP OUT

40123



SWITCH #12

DANGER

DANGER

43 NON PCB
KVA Z=5.75%
4160x2400
480Y/277
=7500 LBS
S: 4368/4264/4160
4056/3952/2400
LOAD AMPS=138 AT 4160V
LOAD AMPS=240 AT 2400V



KOHLER

KOHLER

SWITCH #12

40123

DANGER

DANGER

95