

SYSTEM DRIVES

PCS6000

Service manual



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Table 8–1 CCU control components replaceable by customer (continued)

Component name	Product number	SAP number	Serialized	Special tasks in case of replacement
Current Transducer	UUD148AE02	3BHE014185R0002	x	Set jumpers according to electrical drawings
Industry PC	Compact 7M2	3BHE035578R0001	x	-

8.3.2. Replaceable control components in POU

Table 8–2 POU control components replaceable by customer

Component name	Product number	SAP number	Serialized	Special tasks in case of replacement
PECINTM	PC D237 A101	3BHE028915R0101	x	-
IPS	IPS21-24V	3BHE032593R0001	x	-
HVD	XV C770 BE102	3BHE021083R0102	x	-
VLSCD	XV C724 BE	3BHE009017R0102	x	-
ASE2B	UD C920 BE102	3BHE034863R0002	x	-
AC/DC Converter	QUINT-PS/3AC/24DC/40	3BHE031065R0001	x	Set voltage according to electrical drawings
DC/DC Converter	QUINT-PS-24DC/24DC/10	3BHB057230P2424	x	Set voltage according to electrical drawings
UPS	QUINT-DC-UPS/24DC/40	3BHB056371P0040	x	Set time and battery dial according to electrical drawings
Battery	QUINT-BAT/24DC/7.2Ah	3BHB056372R0002	x	-

8.3.3. Replaceable control components in FIU

Table 8–3 FIU control components replaceable by customer

Component name	Product number	SAP number	Serialized	Special tasks in case of replacement
AC/DC Converter	QUINT-PS/1AC/24DC/10	3BHE016113R0110	x	Set voltage according to electrical drawings

Table 8–3 FIU control components replaceable by customer (continued)

Component name	Product number	SAP number	Serialized	Special tasks in case of replacement
UPS	QUINT-DC-UPS/ 24DC/10	3BHB056371P0010	x	Set time dial according to electrical drawings

8.3.4. Replaceable control components in DLU

Table 8–4 DLU control components replaceable by customer

Component name	Product number	SAP number	Serialized	Special tasks in case of replacement
IPS	IPS21-24V	3BHE032593R0001	x	-
VLSCD	XV C724 BE	3BHE009017R0102	x	-

8.3.5. Replaceable control components in DRU

Table 8–5 DRU control components replaceable by customer

Component name	Product number	SAP number	Serialized	Special tasks in case of replacement
12-Pulse Firing Board	DDC779BE02	3BHE037945R0001	-	-
EAF	UF C765 AE102	3BHE003604R0102	x	-

8.11. Replacing VLSCD

Service MTTR 0 - 2 h



Figure 8–14 VLSCD XV C724

1. Shut down the PCS6000 according to the “PCS6000 Lockout/tagout procedure”, 3BHS600000 E22.
2. Switch off MCB -Q401 to interrupt the 3AC 400 V input voltages of the AC/DC converter (24 V power supply).
3. On the UPS -G402 turn the selector switch “Bat.-Select” to “Service”, then back to previous value (Fig. 8–11) to interrupt the 24 V battery supply voltage (the yellow LED “Bat.-Mode” must be dark).
4. Disconnect all cables and unbolt the four mounting screws; make sure not to lose the distancing rods.
5. Replace the detached board with a spare one.
6. Reconnect all cables and power up the board by switching on MCB -Q401.
7. On the new module, measure the resistance between B2 and A1 and between B1 and A2 using an Ohm meter.
NOTE – Please refer to the circuit diagram. Both values must be in a range between 26.25 and 26.30 kΩ.
8. Apply a variable DC-voltage (0 to 15 V) between B1 and B2. Below 12.9 V the LED must be dark and above 14.0 V the LED must be alight.
9. Restart the PCS6000 according to section 5.4, **Start-up after maintenance or troubleshooting**, page 70.

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