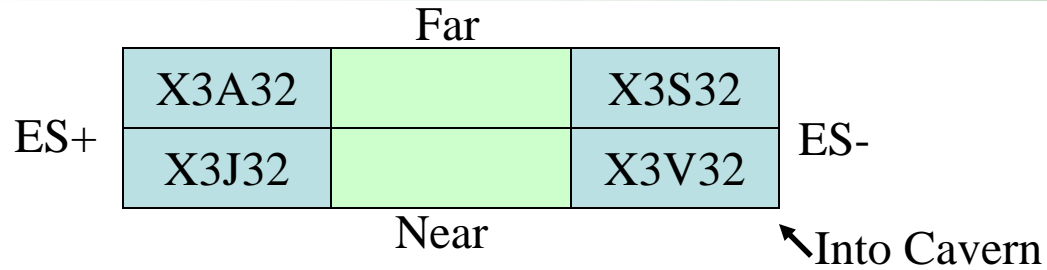




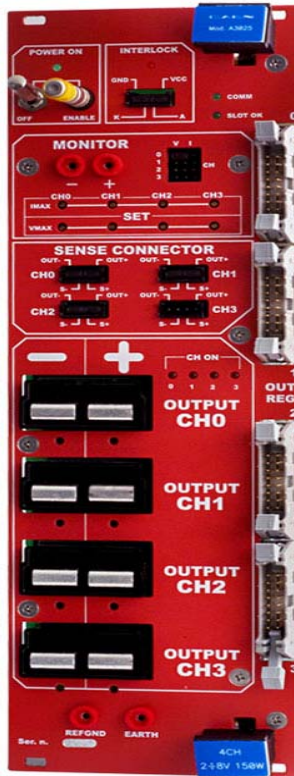
ES LV Racks in CMS Cavern etc.



CAEN Mainframe:
telnet 10.176.64.13 1527
from cmsusr1.cern.ch
username: admin
password: call 164644



CAEN A3025



Ch0
Ch1
Ch2
Ch3

1. The current values from TIF testing for One DEE CF04,05,06,07,08,09, the other DEE's values should be same with this.
2. For set up Limit current value, 10% more than the real value.
3. Following 12 pages shows LV Limit Current value.



ES LV crate X3S32 (-z, -x) upper



Ch0	CF03 G10L,G10R ana(16.94) L:8.144 A; R: 8.8A CH 7-1	CF02 G09R Digi(5.6A) CH 7-6	G08R Ana(11.22A) CH 7-11	CF01 G04L,G04R Digi(7.48A) L:4.4A;R:3.08A CH 7-16	CR03 G05L,G05R Digi(10.56A) L:4.51A;R:6.05A CH 7-21
Ch1	G10L,G10R Digi(9.13A) L:4.62A;R:4.51A CH 7-2	G09R Ana(9.9A) CH 7-7	G06L,G06R Ana(18.15A) L:9.35A;R:8.8A CH 7-12	G07L, G07R Ana(10.78A) L:4.07A;R:6.71A CH 7-17	CR02 G03L Ana(11.22A) CH 7-22
Ch2	G09L Ana(9.79A) CH 7-3	G08L Ana(11.44A) CH 7-8	G06L,G06R Digi(10.56A) L:6.05A;R:4.51A CH 7-13	G07L,G07R Digi(7.37A) L:3.08A;R:4.29A CH 7-18	G03L,G03R Digi(12.32A) L:6.16A;R:6.16A CH 7-23
Ch3	G09L Digi(4.73A) CH 7-4	G08L,G08R Digi(11.299A) L:5.94A;R:6.05A CH 7-9	G04L,G04R Ana(10.89A) L:6.71A;R:4.18A CH 7-14	G05L,G05R Ana(18.15A) L:8.8A;R:9.35A CH 7-19	G03R Ana(11.44A) CH 7-24
	Slot 02	Slot 06	Slot 10	Slot 14	Slot 18

AC/DC:
 CH 7-26
 CH 7-27



ES LV crate X3S32 (-z, -x) middle



Ch0	CR01 G02L Ana(9.79A) CH 7-29	CR12 G01R Digi(4.62A) CH 7-34	CR11 G39L Ana(9.9A) CH 7-39	G38L Digi(6.05A) CH 7-44	CR10 G36L,G36R Digi(11.99A) L:4.51A;R:7.48A CH 7-49
Ch1	G02L Digi(6.05A) CH 7-30	G01R Ana(8.14A) CH 7-35	G39L,G39R Digi(12.1A) L:6.16A;R:5.94A CH 7-40	G38R Ana(9.35A) CH 7-45	G36R Ana(10.89A) CH 7-50
Ch2	G01L,G02R Digi(9.24A) L:4.73A;R:4.51A CH 7-31	G40L,G40R Ana(18.59A) L:8.8A;R:9.79A CH 7-36	G39R Ana(11.44A) CH 7-41	G38R Digi(6.05A) CH 7-46	CF12 G37L,G37R Ana(10.78A) L:4.07A;R:6.71A CH 7-51
Ch3	G01L,G02R Ana(18.81A) L:8.91A;R:9.9A CH 7-32	G40L,G40R Digi(9.24A) L:4.51A;R:4.73A CH 7-37	G38L Ana(11.22A) CH 7-42	G36L Ana(8.8A) CH 7-47	G37L,G37R Digi(7.37A) L:3.08A;R:4.29A CH 7-52

AC/DC :
 CH 7-54
 CH 7-55

Slot 02

Slot 06

Slot 10

Slot 14

Slot 18



ES LV crate X3S32 (-z, -x) lower



Ch0	CF12 G35L,G35R Ana(18.15A) L:8.8A;R:9.35A) CH 7-57	CF11 G34R Ana(11.44A) CH 7-62	CF10 G31L Ana(8.91A) CH 7-67		
Ch1	G35L,G35R Digi(10.56A) L:4.51A;R:6.05A) CH 7-58	G33L Ana(9.79A) CH 7-63	G31L Digi(4.73A) CH 7-68		
Ch2	G34L Ana(11.22A) CH 7-59	G33L,G33R Digi(10.56A) L:6.05A;R:4.51A) CH 7-64			
Ch3	G34L,G34R Digi(12.32A) L:6.16A;R:6.16A) CH 7-60	G33R Ana(9.9A) CH 7-65			
	Slot 02	Slot 06	Slot 10	Slot 14	Slot 18

AC/DC:
 CH 7-82
 CH 7-83



ES LV crate X3V32 (-z, +x) upper



Ch0	CF04 G11L Ana(8.91A) CH 5-1	 G13R Ana(9.9A) CH 5-6	CF06 G15L,G15R Ana(18.15A) L:8.8A;R:9.35A CH 5-11	CR04 G16L Ana(8.8A) CH 5-16	 G18R Ana(9.35A) CH 5-21
Ch1	G11L Digi(4.73A) CH 5-2	CF05 G14L Ana(11.22A) CH 5-7	G15L,G15R Digi(10.56A) L:4.51A;R:6.05A CH 5-12	G16L, G16R Digi(11.88) L:4.51A;R:7.37A CH 5-17	CR05 G18L Ana(11.22A) CH 5-22
Ch2	G13L Ana(9.79A) CH 5-3	G14L,G14R Digi(12.32A) L:6.16A;R:6.16A CH 5-8	G17L,G17R Ana(10.78A) L:4.07A;R:6.71A CH 5-13	G16R Ana(10.78A) CH 5-18	G18L Digi(6.05A) CH 5-23
Ch3	G13L,G13R Digi(10.56A) L:6.05A;R:4.51A CH 5-4	G14R Ana(11.44A) CH 5-9	G17L,G17R Digi(7.37A) L:3.08A;R:4.29A CH 5-14	G18R Digi(6.05A) CH 5-19	G19L Ana(9.9A) CH 5-24
	Slot 02	Slot 06	Slot 10	Slot 14	Slot 18

AC/DC:
 CH 5-26
 CH 5-27



ES LV crate X3V32 (-z, +x) middle



Ch0	CR05 G19L,G19R Digi(12.1A) L:6.16A;R:5.94A CH 5-29	CR06 G21R Digi(4.62A) CH 5-34	CR07 G22L Ana(9.79A) CH 5-39	CR08 G23R Ana(11.44A) CH 5-44	CR09 G27L,G27R Digi(7.37A) L:3.08A;R:4.29A CH 5-49
Ch1	G19R Ana(11.44A) CH 5-30	G21R Ana(8.14A) CH 5-35	G22L Digi(6.05A) CH 5-40	G25L,G25R Ana(18.15A) L:8.8A;R:9.35A CH 5-45	CF07 G24L,G24R Ana(10.89A) L:6.71A;R:4.18A CH 5-50
Ch2	G20L,G20R Ana(18.59A) L:8.8A;R:9.79A CH 5-31	G21L,G22R Ana(18.81A) L:8.91A;R:9.9A CH 5-36	G23L Ana(11.22A) CH 5-41	G25L,G25R Digi(10.56A) L:4.51A;R:6.05A CH 5-46	G24L,G24R Digi(7.48A) L:4.4A;R:3.08A CH 5-51
Ch3	G20L,G20R Digi(9.24A) L:4.51A;R:4.73A CH 5-32	G21L,G22R Digi(9.24A) L:4.73A;R:4.51A CH 5-37	G23L,G23R Digi(12.32A) L:6.16A;R:6.16A CH 5-42	G27L,G27R Ana(10.78A) L:4.07A;R:6.71A CH 5-47	G26L,G26R Ana(18.15A) L:9.35A;R:8.8A CH 5-52

AC/DC:
 CH 5-54
 CH 5-55

Slot 02

Slot 06

Slot 10

Slot 14

Slot 18



ES LV crate X3V32 (-z, +x) lower



Ch0	CF07 G26L,G26R Digi(10.56A) L:6.05A;R:4.51A CH 5-57	CF08 G29R Ana(9.9A) CH 5-62	CF09 G30L,G30R Ana(16.94A) L:8.14A;R:8.8A CH 5-67		
Ch1	G28L Ana(11.44A) CH 5-58	G29R Digi(6.16A) CH 5-63	G30L,G30R Digi(9.13A) L:4.62A;R:4.51A CH 5-68		
Ch2	G28L,G28R Digi(11.99A) CH 5-59	G29L Ana(9.79A) CH 5-64			
Ch3	G28R Ana(11.22A) CH 5-60	G29L Digi(4.73A) CH 5-65			
	Slot 02	Slot 06	Slot 10	Slot 14	Slot 18

AC/DC:
 CH 5-82
 CH 5-83



ES LV crate X3J32 (+z, +x) upper



Ch0	CF03 G10L,G10R ana(16.94A) L:8.14 A; R: 8.8A CH 1-1	CF02 G09R Digi(6.16A) CH 1-6	G08R Ana(11.22A) CH 1-11	CF01 G04L,G04R Digi(7.48A) L:4.4A;R:3.08A CH 1-16	CR03 G05L,G05R Digi(10.56A) L:4.51A;R:6.05A CH 1-21
Ch1	G10L,G10R Digi(9.13A) L:4.62A;R:4.51A CH 1-2	G09R Ana(9.9A) CH 1-7	G06L,G06R Ana(18.15A) L:9.35A;R:8.8A CH 1-12	G07L, G07R Ana(10.78A) L:4.07A;R:6.71A CH 1-17	CR02 G03L Ana(11.22A) CH 1-22
Ch2	G09L Ana(9.79A) CH 1-3	G08L Ana(11.44A) CH 1-8	G06L,G06R Digi(10.56A) L:6.05A;R:4.51A CH 1-13	G07L,G07R Digi(7.37A) L:3.08A;R:4.29A CH 1-18	G03L,G03R Digi(12.32A) L:6.16A;R:6.16A CH 1-23
Ch3	G09L Digi(4.73A) CH 1-4	G08L,G08R Digi(11.99A) L:5.94A;R:6.05A CH 1-9	G04L,G04R Ana(10.89A) L:6.71A;R:4.18A CH 1-14	G05L,G05R Ana(18.15A) L:8.8A;R:9.35A CH 1-19	G03R Ana(11.44A) CH 1-24

AC/DC:
 CH 1-26
 CH 1-27

Slot 02

Slot 06

Slot 10

Slot 14

Slot 18



ES LV crate X3J32 (+z, +x) middle



Ch0	CR01 G02L Ana(9.79A) CH 1-29	CR12 G01R Digi(4.62A) CH 1-34	CR11 G39L Ana(9.9A) CH 1-39	G38L Digi(6.05A) CH 1-44	CR10 G36L,G36R Digi(11.99A) L:4.51A;R:7.48A CH 1-49
Ch1	G02L Digi(6.05A) CH 1-30	G01R Ana(8.14A) CH 1-35	G39L,G39R Digi(12.1A) L:6.16A;R:5.94A CH 1-40	G38R Ana(9.35A) CH 1-45	G36R Ana(10.89A) CH 1-50
Ch2	G01L,G02R Digi(9.24A) L:4.73A;R:4.51A CH 1-31	G40L,G40R Ana(18.59A) L:8.8A;R:9.79A CH 1-36	G39R Ana(11.44A) CH 1-41	G38R Digi(6.05A) CH 1-46	CF12 G37L,G37R Ana(10.78A) L:4.07A;R:6.71A CH 1-51
Ch3	G01L,G02R Ana(18.81A) L:8.91A;R:9.9A CH 1-32	G40L,G40R Digi(9.24A) L:4.51A;R:4.73A CH 1-37	G38L Ana(11.22A) CH 1-42	G36L Ana(8.8A) CH 1-47	G37L,G37R Digi(7.37A) L:3.08A;R:4.29A CH 1-52

AC/DC :
 CH 1-54
 CH 1-55

Slot 02

Slot 06

Slot 10

Slot 14

Slot 18



ES LV crate X3J32 (+z, +x) lower



Ch0	CF12 G35L,G35R Ana(18.15A) L:8.8A;R:9.35A) CH 1-57	CF11 G34R Ana(11.44A) CH 1-69	CF10 G31L Ana(8.91A) CH 1-67		
Ch1	G35L,G35R Digi(10.56A) L:4.51A;R:6.05A) CH 1-58	G33L Ana(9.79A) CH 1-63	G31L Digi(4.73A) CH 1-68		
Ch2	G34L Ana(11.22A) CH 1-59	G33L,G33R Digi(10.56A) L:6.05A;R:4.51A) CH 1-64			
Ch3	G34L,G34R Digi(12.32A) L:6.16A;R:6.16A) CH 1-60	G33R Ana(9.9A) CH 1-65			
	Slot 02	Slot 06	Slot 10	Slot 14	Slot 18

AC/DC:
CH 1-82
CH 1-83

N.B. Slot06
Ch0 powered by
CH 1-69



ES LV crate X3A32 (+z, -x) upper



Ch0	CF04 G11L Ana(8.91A) CH 3-1	G13R Ana(9.9A) CH 3-6	CF06 G15L,G15R Ana(18.15A) L:8.8A;R:9.35A CH 3-11	CR04 G16L Ana(8.8A) CH 3-16	G18R Ana(9.35A) CH 3-21	AC/DC: CH 3-26 CH 3-27
Ch1	G11L Digi(4.73A) CH 3-2	CF05 G14L Ana(11.22A) CH 3-7	G15L,G15R Digi(10.56A) L:4.51A;R:6.05A CH 3-12	G16L, G16R Digi(11.88) L:4.51A;R:7.37A CH 3-17	CR05 G18L Ana(11.22A) CH 3-22	
Ch2	G13L Ana(9.79A) CH 3-3	G14L,G14R Digi(12.32A) L:6.16A;R:6.16A CH 3-8	G17L,G17R Ana(10.78A) L:4.07A;R:6.71A CH 3-13	G16R Ana(10.78A) CH 3-18	G18L Digi(6.05A) CH 3-23	
Ch3	G13L,G13R Digi(10.56A) L:6.05A;R:4.51A CH 3-4	G14R Ana(11.44A) CH 3-9	G17L,G17R Digi(7.37A) L:3.08A;R:4.29A CH 3-14	G18R Digi(6.05A) CH 3-19	G19L Ana(9.9A) CH 3-24	
	Slot 02	Slot 06	Slot 10	Slot 14	Slot 18	



ES LV crate X3A32 (+z, -x) middle



Ch0	CR05 G19L,G19R Digi(12.1A) L:6.16A;R:5.94A CH 3-29	CR06 G21R Digi(4.62A) CH 3-34	CR07 G22L Ana(9.79A) CH 3-39	CR08 G23R Ana(11.44A) CH 3-44	CR09 G27L,G27R Digi(7.37A) L:3.08A;R:4.29A CH 3-49
Ch1	G19R Ana(11.44A) CH 3-30	G21R Ana(8.14A) CH 3-35	G22L Digi(6.05A) CH 3-40	G25L,G25R Ana(18.15A) L:8.8A;R:9.35A CH 3-45	CF07 G24L,G24R Ana(10.89A) L:6.71A;R:4.18A CH 3-50
Ch2	G20L,G20R Ana(18.59A) L:8.8A;R:9.79A CH 3-31	G21L,G22R Ana(18.81A) L:8.91A;R:9.9A CH 3-36	G23L Ana(11.22A) CH 3-41	G25L,G25R Digi(10.56A) L:4.51A;R:6.05A CH 3-46	G24L,G24R Digi(7.48A) L:4.4A;R:3.08A CH 3-51
Ch3	G20L,G20R Digi(9.24A) L:4.51A;R:4.73A CH 3-32	G21L,G22R Digi(9.24A) L:4.73A;R:4.51A CH 3-37	G23L,G23R Digi(12.32A) L:6.16A;R:6.16A CH 3-42	G27L,G27R Ana(10.78A) L:4.07A;R:6.71A CH 3-47	G26L,G26R Ana(18.15A) L:9.35A;R:8.8A CH 3-52
	Slot 02	Slot 06	Slot 10	Slot 14	Slot 18

AC/DC:
CH 3-54
CH 3-55



ES LV crate X3A32 (+z, -x) lower



Ch0	CF07 G26L,G26R Digi(10.56A) L:6.05A;R:4.51A CH 3-57	CF08 G29R Ana(9.9A) CH 3-62	CF09 G30L,G30R Ana(16.94A) L:8.14A;R:8.8A CH 3-67		
Ch1	G28L Ana(11.44A) CH 3-58	G29R Digi(6.16A) CH 3-63	G30L,G30R Digi(9.13A) L:4.62A;R:4.51A CH 3-69		
Ch2	G28L,G28R Digi(12.1A) CH 3-59	G29L Ana(9.79A) CH 3-64			
Ch3	G28R Ana(11.22A) CH 3-60	G29L Digi(4.73A) CH 3-65			
	Slot 02	Slot 06	Slot 10	Slot 14	Slot 18

AC/DC:
 CH 3-82
 CH 3-83

N.B. Slot10
 Ch1 powered by
 CH 3-69