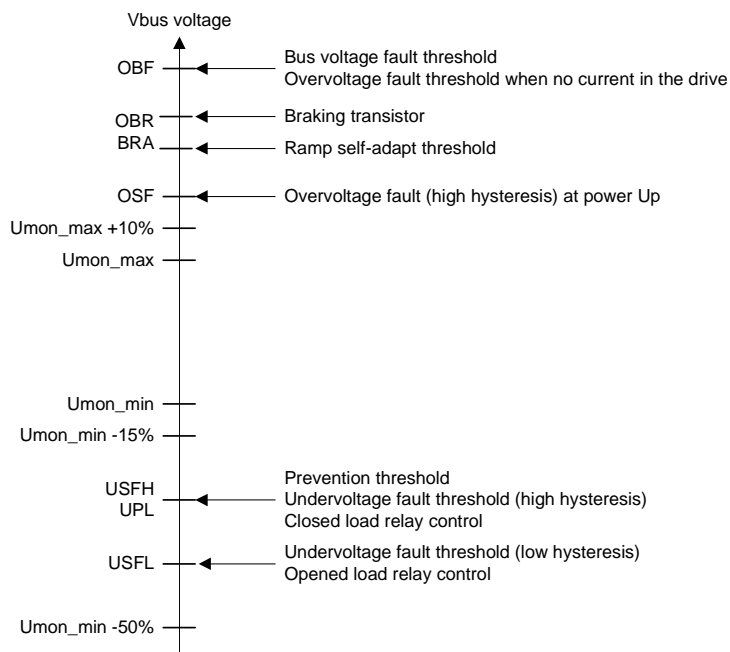


Voltage thresholds for the various safety functions:



Scaling of DC bus voltage for software.

		200V Range DC volts	400V range DC volts
VMAX	Micro input voltage. i.e. 5 V for conversion equal to 1023	555	921
OBF	Bus voltage fault threshold Over-voltage fault threshold when no current in drive	415	825
OBR	Braking transistor external control (Unom_maxi + 5%)	395	785
BRA	Ramp self-adapt threshold (Unom_maxi + 3%)	385	770
OSFH	Over-voltage fault at power up	380 -Vdrop	756-Vdrop
OSFL	Threshold for reset OBFand OSF fault	375-Vdrop	750-Vdrop
Unom_max + 10%	Maximum rated voltage + 10%	373	747
Unom_max	Maximum rated voltage	340	679
Unom_min	Minimum rated voltage	283	537
Unom_min - 15%	Minimum rated voltage - 15%	240	456
USFH UPL (*)	Closed load relay control Prevention threshold for control stop function	230	430
USFL (*)	Opened load relay control	200	360
USF_min - 50%	Opened min load relay control	140	268
Epsilon	Preload capacitor load fault	5	5

DC bus voltage measurement gain calibrations.

This value could be adjust by customer

Voltage range: 200V range: 200V-15% until 240 V+10%

400V range: 380V-15% until 480 V+10%