Error message	Origin
E-STOP from front panel button	control panel emergency stop FPES switches open
E-STOP from MCP E-STOP button	teach pendant emergency stop TPES switches open
E-STOP from user E-STOP button	cell USER ES1 switches open
E-STOP from user enable switch	cell DOOR or USER switches open
E-STOP from user muted safety gate	cell USER ES2 switches open
E-STOP from MCP enable switch	manual control pendant Dead Man DM MCP switches open
E-STOP channels 1 and 2 do not match	- the AWC INTERFACE board is not supplied with voltage, - the status of the two emergency stop channels is not the same. Check which contact is defective by using the indicator lights available on the AWC INTERFACE board. Change the switch then check again for correct operation.
E-STOP1 detected by CPU	Problems on CPU AWC II board !
E-STOP2 detected by CPU	during an emergency stop, only one of the switches of the emergency stop button activated is open. Check with contact is defective by using the indicator lights available on the AWC INTERFACE board. Change the switch then check again for correct operation.
* [Fatal] E-STOP signals are stuck off *	on power-up, a fault is detected on the emergency stop channels
* E-STOP from front panel external input *	limit switch open.

2.5.5. CONNECTION WITH CELL

2.5.5.1 DESCRIPTION OF CONNECTION POINT

Connection of the AWC INTERFACE board to the cell equipment is achieved by connector J8 of this board which is transferred to connector **(1)** on the front face of controller CS7 MB.

All switches to be connected in the emergency stop channels must be no-voltage switches and duplicated: an emergency stop button must activate 2 switches simultaneously: the maximum time allowed between the opening of these 2 switches is 100 ms; if this time is exceeded, an error message will be displayed: **E-STOP channels 1 and 2 do not match**.

Shielding cables is strongly recommended for provided noise free signals, especially when the cabinet wiring is very lengthy.

All information delivered by the AWC INTERFACE board is in no-voltage switch form.

