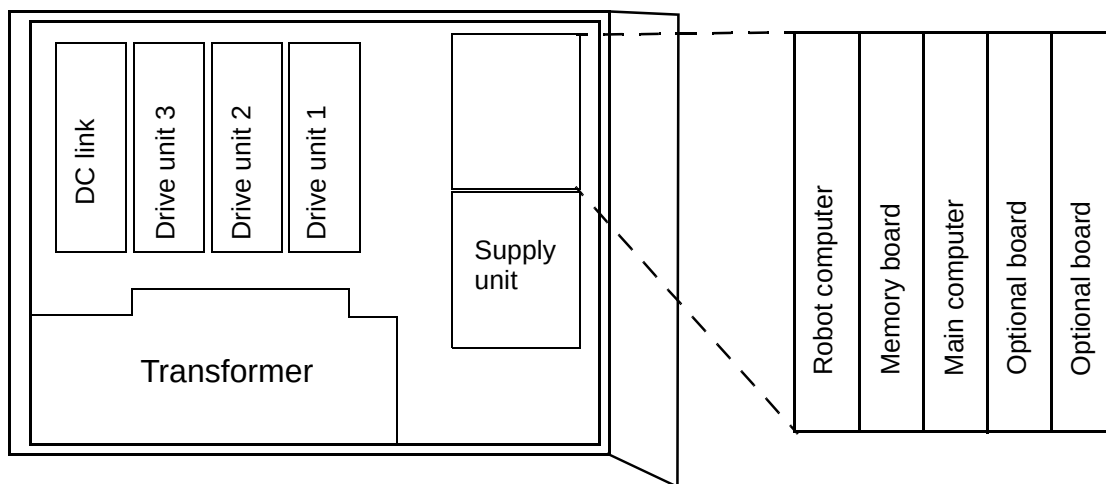


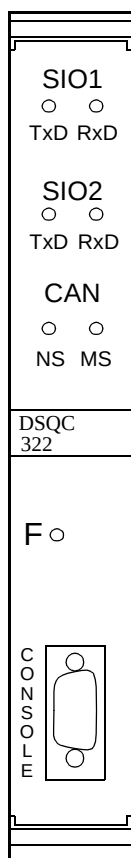
2 Indication LEDs on the Various Units

2.1 Location of units in the cabinet



	IRB 1400	IRB 2400	IRB 4400	IRB 6400	IRB 640	IRB 840/A	IRB 340
Drive unit	Axes	Axes	Axes	Axes	Axes	Axes	Axes
1	1, 2, 4	1, 2, 4	1, 6	1, 6	1, 6	1(X), 6(C)	2, 1
2	3, 5, 6	3, 5, 6	2, 4	2, 4	2, 3	2(Y), 3(Z)	(4), 3
3			3, 5	3, 5			

2.2 Robot computer DSQC 363/373



<u>Designation</u>	<u>Colour</u>	<u>Description/Remedy</u>
F	Red	Turns off when the board approves the initialisation.
TxD	Yellow	See section 2.14.
RxD	Yellow	See section 2.14.
NS	Green/red	See section 2.14.
MS	Green/red	See section 2.14.

1.4 Robot computer DSQC 363

The robot computer, which controls the system's I/O, axis control, serial communication and teach pendant communication, is the first unit to start after a cold or warm start. The red LED on the front of the board goes off immediately when the system is reset and goes on again if an error is detected in the tests. As mentioned above, the robot computer releases the main computer when the preliminary diagnostics have given the go ahead-signal.

The read and write memories of the robot computer are battery-backed.

If the system does not start at all, and the LED on the robot computer goes on, the error is probably in the robot computer.

1.5 Panel unit DSQC 331

The DSQC 331 Panel unit controls and monitors the dual operation chain. Its status is also indicated by LEDs at the upper part of the unit.

Over temperature of the motors is monitored by PTC inputs to the board.

LED indications for DSQC 331

Marking	Colour	Meaning
EN	Green	Indicates "go ahead" from the control system
MS	Green/red	Module status, normally green, see also section 1.6
NS	Green/red	Network status, normally green, see also section 1.6
ES 1 and 2	Yellow	EMERGENCY STOP, chain 1 and 2 closed
GS 1 and 2	Yellow	GENERAL STOP switch, chain 1 and 2 closed
AS 1 and 2	Yellow	AUTO STOP switch, chain 1 and 2 closed

The LEDs are very useful when trying to locate errors in the operation chain. Unlit LEDs indicate the whereabouts of an error in the operation chain, making the error easy to locate in the system circuit diagram.