

## 6.22 ALARM 4n6 (DISCONNECTION ALARM)

4n6 : Position detection signal line is disconnected or short-circuited.

### Point

Check the details using the CNC's diagnostic function.

		#7	#6	#5	#4	#3	#2	#1	#0
DGN	0730	ALD			EXP				
	:								
DGN	0737	ALD			EXP				
		↓			↓				
		1	-	-	0	Built-in serial pulse coder disconnection			
		1	-	-	1	Separate type position detector connection			
		0	-	-	0	Pulse coder disconnection (software) <span style="float:right">Note</span>			

### NOTE

This alarm is related with full-closed system.

### Causes

- (1) Signal cable is disconnected or short-circuited.
- (2) Serial pulse coder or position detector is faulty. Refer to **NOTE**.
- (3) Axis card is faulty.
- (4) When no separate pulse coder is in use, separate pulse coder parameters have been specified by mistake.  
 Bits 0 to 5 of PRM0037  
 Bits 0 and 1 of PRM7037  
 (If these bits are 1, a separate pulse coder is to be used.)

### NOTE

After the pulse coder is replaced, reference position or machine's standard position is different from former one. Adjust and set it correctly.

