

## 42 WAY SOCKET CONNECTIONS

PIN	COLOUR	WIRE
1	RED	
2	YELLOW	
3	ORANGE	
4	BLACK	
5	RED	
6	YELLOW	
7	ORANGE	
8	BLACK	
9	RED	
10	YELLOW	
11	ORANGE	
12	BLACK	
13	RED	54
14	YELLOW	55
15	RED	54
16	YELLOW	56
17	RED	54
18	YELLOW	57
19	RED	71
20	BLUE	72
21	YELLOW	76

X AXIS  
MOTOR

0.5mm  
SINGLES

Y AXIS  
MOTOR

0.5mm  
SINGLES

Z AXIS  
MOTOR

0.5mm  
SINGLES

X DATUM  
SWITCH

0.2mm  
SINGLES

Y DATUM  
SWITCH

0.2mm  
SINGLES

Z DATUM  
SWITCH

0.2mm  
SINGLES

ATC IN

ATC OUT

COMMON

4 CORE  
SCREEN

PIN	COLOUR	WIRE
22	BROWN	20
23	BLUE	21
24	EARTH	E
25	SCREEN	E
26	BLACK	N
27	WHITE	36
28	YELLOW	35
29	RED	62
30	BLUE	68
31	YELLOW	61
32	GREEN	89
33	RED	77
34	BLUE	78
35	RED	91
36	BLUE	61
37	YELLOW	90
38	GREEN	60
39	RED	73
40	BLUE	74
41	YELLOW	75
42	SCREEN	E

SPINDLE  
MOTOR

1.5mm  
4 CORE  
SCREEN

ATC  
MOTOR

1mm  
SINGLES

E - STOP  
CONTACT 1

E - STOP  
CONTACT 2

4 CORE  
SCREEN

GUARD  
CONTACT 1

GUARD  
CONTACT 2

GUARD  
SOLENOID

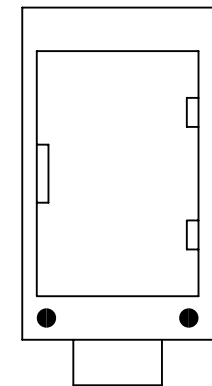
ATC  
DATUM  
SENSOR

2 CORE SCREEN  
(TAKE SCREEN  
TO EARTH)

4 CORE  
SCREEN

4 CORE  
SCREEN

CABINET END  
(FEMALE PINS)



42 WAY HOOD  
BI 357 Z

MALE INSERT  
BI 357 H

PG29 GLAND  
BI 411 J

CODING PINS  
BI 356 H

1.5m 32mm  
CONDUIT

CABLES  
3m LONG

⊗ 4.0mm EARTH

IF IN DOUBT ASK

NOVAMILL  
42 WAY SOCKET  
DETAILS

SHEET 7  
NOVAMILL  
DENSTEP