



# Mining And Surface Certification (Pty) Ltd

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Our ref: 17-1832\_Black  
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## NO. 1 JUNCTION BOX SWITCH ENCLOSURE (Black)

### 1. SUBJECT

The test and evaluation of a Junction Box Switch Enclosure for compliance with IP65 / IP66. The black switch box enclosure was originally tested for IP66 (with switch cover fitted) by MASC under report MASC 12-567.

Additional testing was now done on the switch box enclosure without the switch cover, leaving the switch exposed, for IP65 / IP66.

### 2. STANDARDS

- IEC 60529:2013 (Ed 2.2) "Degrees of protection provided by enclosures (IP Code)"

### 3. DESCRIPTION

#### 3.1 General



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### 3.2 Drawings

Drawing number:	Drawing title:	Edition:	Date:
100701 – RETRO	No.1 4-WAY SWITCH BOX ASSEMBLY	Original	2012-04-18

### 3.3 Identification

The Switch box contains the marking as per original certificate number and warning labels.

### 4. SELECTION OF SPECIMEN

Samples were supplied by CCG.

### 5. METHODS AND RESULTS

#### 5.1 Degrees of protection (IP)

Samples were tested as per the requirements of the relevant standard for IP6X, IPX5 and IPX6 rating.

The cover of the Switch Box were removed leaving the switch exposed for the testing.

### 6. CONCLUSIONS

The Switch Box as described above complied with IEC 60529:2013 (Ed 2.2) "Degrees of protection provided by enclosures (IP Code)":

- IP Rating: IP65 / IP66

Yours faithfully



**Roelof Viljoen**  
TECHNICAL SPECIALIST

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