### Use 12V DC el. strike only!

Check the polarity (+ -)!

An improperly connected el. strike can permanently damage Populus!

The power consumption of el. strike must not exceed 250mA!

---

### CONNECTION CABLE

<table>
<thead>
<tr>
<th>Wire</th>
<th>Colour</th>
<th>Description</th>
<th>Populus connector</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Red</td>
<td>9-14V DC</td>
<td>12V</td>
</tr>
<tr>
<td>2</td>
<td>Grey</td>
<td>GND</td>
<td>GND</td>
</tr>
<tr>
<td>3</td>
<td>Light blue</td>
<td>Rs485 - CA</td>
<td>COM - CA</td>
</tr>
<tr>
<td>4</td>
<td>Brown</td>
<td>Rs485 - CB</td>
<td>COM - CB</td>
</tr>
</tbody>
</table>

*1. wire is coloured red*

---

### Door status switch

- Relay contact, normally open and normally close contact.
- Maximum current: 5A @ 230V.
- Initiates together with el. strike output.

---

### Backup battery, 12V 2.3Ah.

Pay attention to the polarity!

---

### Door status switch

- 110 - 230V AC
- To local area network

---

### Wiring Diagram: Reader O-1-3P with Populus V9

---

### Button D-C-R

- 1. wire
- 4. wire

---

### Reader O-1-3P

- UTP cable up to 200m, see manual
- UTP cable up to 200m, see manual

---

### El. Strike

- 1. wire
- 6. wire

---

### El. Strike power

- 1. wire
- 4. wire

---

### El. strike

- Door status switch

---

### Relay

- 1. wire
- 4. wire

---

### El. Strike

- 1. wire
- 4. wire

---

### Button D-C-R

- 1. wire
- 4. wire

---

### Reader O-1-3P

- 1. wire
- 4. wire

---

### Connection cable

*1. wire is coloured red*