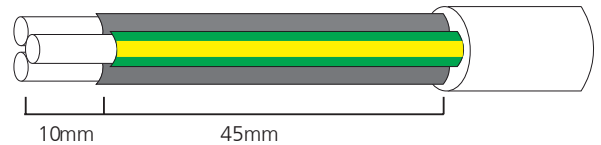


## WIRING INSTRUCTION TRADER “BUSW\*\*\* SWITCHES / SWITCH DISCONNENTOR SERIES”

- 1- Strip flexible cable as shown in FIG.1
- 2- Check Cable use co-ordinates with Min / Max cable size in chart below shown in FIG.2 suitable for associated terminal (Amp rating)
- 3- Place appropriate conductors into socket housing assembly terminals and tighten screws to secure bared conductors and ensure good electrical contact.
- 4- Check Earth cable is connected to E terminal.

FIG.1 CABLE STRIPPING DETAIL



Rated insulation voltage: 500V  
 Rated impulse withstand voltage: 4kV  
 Uninterrupted duty  
 Rated short-time withstand current and duration: 1.26kA/1s  
 Rated short circuit making capacity: 1.79kA  
 Pollution degree: 3

For Key Switch variations, the basic part number e.g. BUSW220 is followed by a K1 (lock off) or K2 (lock on or off), but the current rating shown for the generic switch model determines the cable size to be followed in the table FIG. 2.

FIG.2 CABLE / AMP / TERMINAL SELECTION

| Part No. | Chemical Orange Part No. | Chemical Grey Part No. | Description | Volts | Amps | Poles  | Min | Max (mm <sup>2</sup> ) |
|----------|--------------------------|------------------------|-------------|-------|------|--------|-----|------------------------|
| BUSW110  | BUSW110RO                | BUSW110RG              | Switch      | 250V~ | 10A  | 1 Pole | 1.5 | 6                      |
| BUSW120  | BUSW120RO                | BUSW120RG              | Switch      | 250V~ | 20A  | 1 Pole | 2.5 | 16                     |
| BUSW132  | BUSW132RO                | BUSW132RG              | Switch      | 250V~ | 32A  | 1 Pole | 6   | 16                     |
| BUSW210  | BUSW210RO                | BUSW210RG              | Switch      | 500V~ | 10A  | 2 Pole | 2.5 | 6                      |
| BUSW220  | BUSW220RO                | BUSW220RG              | Switch      | 500V~ | 20A  | 2 Pole | 2.5 | 6                      |
| BUSW232  | BUSW232RO                | BUSW232RG              | Switch      | 500V~ | 32A  | 2 Pole | 6   | 16                     |
| BUSW310  | BUSW310RO                | BUSW310RG              | Switch      | 500V~ | 10A  | 2 Pole | 2.5 | 16                     |
| BUSW320  | BUSW320RO                | BUSW320RG              | Switch      | 500V~ | 20A  | 3 Pole | 2.5 | 16                     |
| BUSW332  | BUSW332RO                | BUSW332RG              | Switch      | 500V~ | 32A  | 3 Pole | 6   | 16                     |
| BUSW350  | BUSW350RO                | BUSW350RG              | Switch      | 500V~ | 50A  | 3 Pole | 10  | 25                     |
| BUSW363  | BUSW363RO                | BUSW363RG              | Switch      | 500V~ | 63A  | 3 Pole | 16  | 25                     |
| BUSW410  | BUSW410RO                | BUSW410RG              | Switch      | 500V~ | 10A  | 4 Pole | 2.5 | 16                     |
| BUSW420  | BUSW420RO                | BUSW420RG              | Switch      | 500V~ | 20A  | 4 Pole | 2.5 | 16                     |
| BUSW432  | BUSW432RO                | BUSW432RG              | Switch      | 500V~ | 32A  | 4 Pole | 6   | 16                     |
| BUSW450  | BUSW450RO                | BUSW450RG              | Switch      | 500V~ | 50A  | 4 Pole | 10  | 25                     |
| BUSW463  | BUSW463RO                | BUSW463RG              | Switch      | 500V~ | 63A  | 4 Pole | 16  | 25                     |

### IMPORTANT

1. Entries in enclosure must be machined with hole saw or similar.
2. When mounting, caps must be glued into bosses to ensure IP rating is maintained.
3. Recommended tightening torque of cover 0.5Nm. If exceeded, IP rating may be void.
4. To ensure IP rating, conduit should be sealed using suitable sealant, e.g. PVC glue.
5. Tightening of terminal screws by battery drill, without the appropriate torque setting is not recommended.

