

WIRING INSTRUCTION TRADER “BUSW\*\*\* SWITCHES / SWITCH DISCONNECTOR 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.

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

FIG.1 CABLE STRIPPING DETAIL



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 Resistant Orange Part No.	Chemical Resistant White Part No.	Chemical Resistant Grey Part No.	Description	Volts	Amps	Poles	Min	Max (mm <sup>2</sup> )
BUSW110	BUSW110RO	BUSW110RW	BUSW110RG	Switch	250V~	10A	1 Pole	1.5	6
BUSW120	BUSW120RO	BUSW120RW	BUSW120RG	Switch	250V~	20A	1 Pole	2.5	16
BUSW132	BUSW132RO	BUSW132RW	BUSW132RG	Switch	250V~	32A	1 Pole	6	16
BUSW210	BUSW210RO	BUSW210RW	BUSW210RG	Switch	500V~	10A	2 Pole	2.5	6
BUSW220	BUSW220RO	BUSW220RW	BUSW220RG	Switch	500V~	20A	2 Pole	2.5	6
BUSW232	BUSW232RO	BUSW232RW	BUSW232RG	Switch	500V~	32A	2 Pole	6	16
BUSW310	BUSW310RO	BUSW310RW	BUSW310RG	Switch	500V~	10A	2 Pole	2.5	16
BUSW320	BUSW320RO	BUSW320RW	BUSW320RG	Switch	500V~	20A	3 Pole	2.5	16
BUSW332	BUSW332RO	BUSW332RW	BUSW332RG	Switch	500V~	32A	3 Pole	6	16
BUSW350	BUSW350RO	BUSW350RW	BUSW350RG	Switch	500V~	50A	3 Pole	10	25
BUSW363	BUSW363RO	BUSW363RW	BUSW363RG	Switch	500V~	63A	3 Pole	16	25
BUSW410	BUSW410RO	BUSW410RW	BUSW410RG	Switch	500V~	10A	4 Pole	2.5	16
BUSW420	BUSW420RO	BUSW420RW	BUSW420RG	Switch	500V~	20A	4 Pole	2.5	16
BUSW432	BUSW432RO	BUSW432RW	BUSW432RG	Switch	500V~	32A	4 Pole	6	16
BUSW450	BUSW450RO	BUSW450RW	BUSW450RG	Switch	500V~	50A	4 Pole	10	25
BUSW463	BUSW463RO	BUSW463RW	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.

