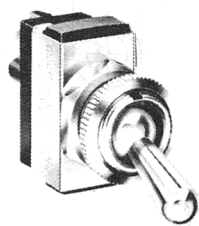


## Single Pole



**SM0259/PD**

**SM0259/PD, SM0265/PD** Quick make-break.

**Switching:** **SM0259/PD**, Single pole make-break, 1 pair contacts.

**SM0265/PD**, Single pole change-over, 2 pairs contacts.

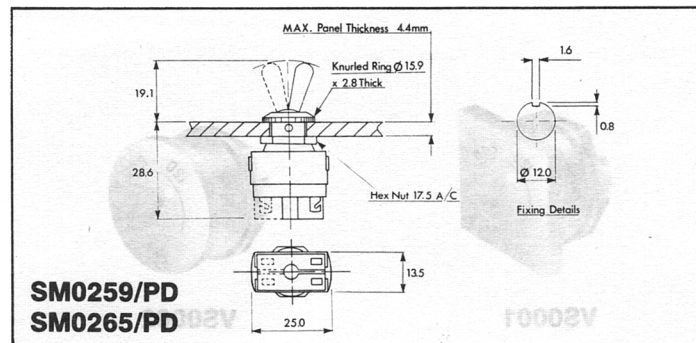
**Connection:** **SM0259/PD, SM0265/PD** = Solder tags.

**SM0259/PD, SM0265/PD/TERM** = Screw terminals.<sup>1</sup>

**SM0259/PD, SM0265/PD/63** = 6.3 Series tabs.<sup>1</sup>

**Max. Rating:** **SM0259/PD**, 3A. 250V. a.c.

**SM0265/PD**, 2A. 250V. a.c.



**Contact Resistance:** < 10 m Ω.

**Insulation Resistance:** > 10<sup>3</sup> M Ω.

**Dielectric Strength:** > 4.5 KV. a.c.

**Operating Temperature:** -20°C + 70°C.

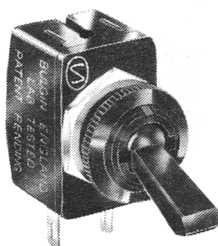
**Materials:-**

**Moulding:** Phenolic.

**Contacts:** Brass silver plated.

**Tags:** Brass silver plated.

<sup>1</sup> To agreed orders.



**SX0900**

**Approvals:** S D

**\*SX0900, SX0910** Quick make-break.

• Wiping contact action, for a.c./d.c. compatability.

**Switching:** **SX0900**, Single pole make-break, 1 pair contacts.

**SX0910**, Single pole change-over, 2 pairs contacts.

**Connection:** **SX0900, SX0910** = Solder tags.

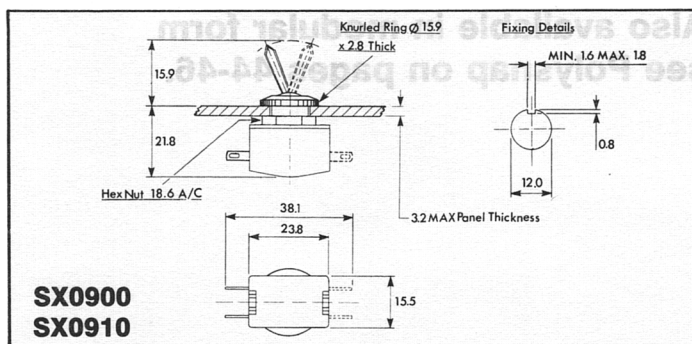
**SX0900, SX0910/63** = 6.3 Series tabs.<sup>1</sup>

**Max. Rating:** **SX0900**, 3A. 250V. a.c.

**SX0910**, 2A. 250V. a.c.

**Contact Resistance:** < 10 m Ω.

<sup>1</sup> To agreed orders.



**Insulation Resistance:** > 10<sup>4</sup> M Ω.

**Dielectric Strength:** > 3.5 KV. a.c.

**Fixing Torque:** 5lb. f. ins. max.

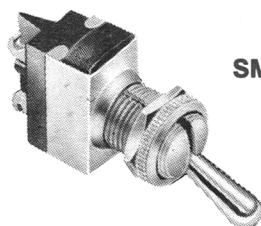
**Operating Temperature:** -20°C + 70°C.

**Materials:-**

**Moulding:** Body Phenolic, Bush/Case/Lever Nylon.

**Contacts:** Brass silver plated.

**Tags:** Brass silver plated.



**SM0273/PD**

**SM0273/PD**, Biased action, quick make-break.

**Switching:** Single pole change-over, 2 pairs contacts.

**Connection:** **SM0273/PD**, = Solder tags.

**SM0273/PD, /PD/TERM** = Screw terminals.<sup>1</sup>

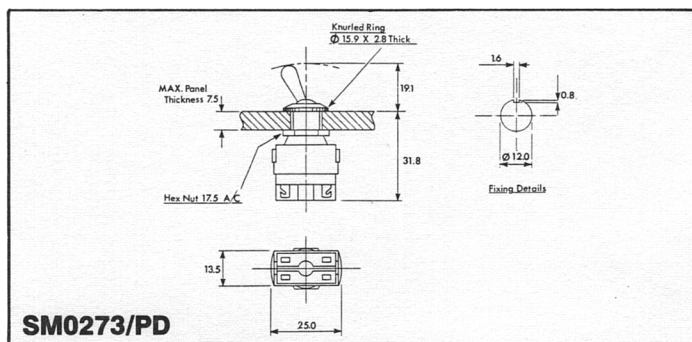
**SM0273/PD/63** = 6.3 Series tabs.

**Max. Rating:** 2A. 250V. a.c.

**Contact Resistance:** < 10 m Ω.

**Insulation Resistance:** > 10<sup>3</sup> M Ω.

To agreed orders.



**Dielectric Strength:** > 4.5 KV. a.c.

**Operating Temperature:** -20°C + 70°C.

**Materials:-**

**Moulding:** Phenolic.

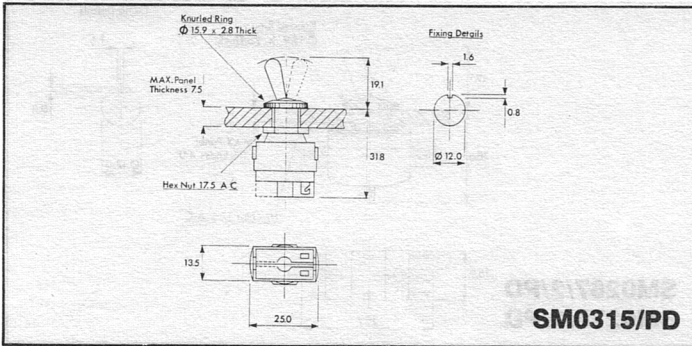
**Contacts:** Brass silver plated.

**Tags:** Brass silver plated.

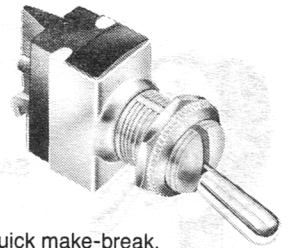
# TOGGLE SWITCHES



## Single Pole



**SM0315/PD**



**SM0315/PD**

**SM0315/PD**, Biased to OFF position, quick make-break.

**Switching:** Single pole make-break, 1 pair contacts.

**Connection:** **SM0315/PD**, = Solder.

**SM0315/PD/TERM** = Screw terminals.<sup>1</sup>

**SM0315/PD/63** = 6.3 Series tabs.<sup>1</sup>

**Max. Rating:** 3A. 250V. a.c.

**Contact Resistance:** < 10 m  $\Omega$ .

**Insulation Resistance:** > 10<sup>3</sup> M  $\Omega$ .

**Dielectric Strength:** > 4.5 KV. a.c.

<sup>1</sup> To agreed orders.

**Operating Temperature:** -20°C + 70°C.

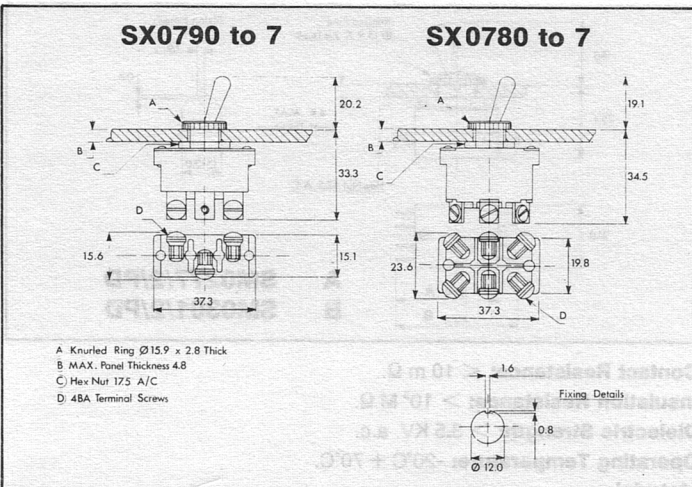
**Materials:-**

**Moulding:** Phenolic.

**Contacts:** Brass silver plated.

**Tags:** Brass silver plated.

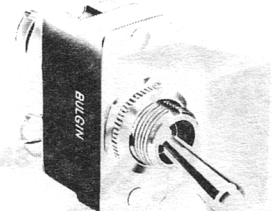
## Single & Double Pole



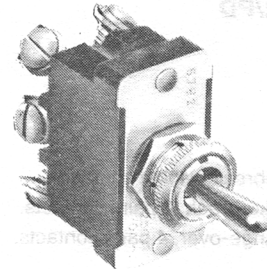
**SX0790 to 7**

**SX0780 to 7**

A Knurled Ring Ø15.9 x 2.8 Thick  
B MAX. Panel Thickness 4.8  
C Hex Nut 17.5 A/C  
D 4BA Terminal Screws



**SX0790**



**SX0780**

**SX0780 to SX0787 & SX0790 to SX0797** Slow make slow break.

**Switching:** 8 Variations, see below.

**Connection:** Standard list No. e.g. **SX0780** = Screw terminals.

List No. /63 e.g. **SX0780/63** = 6.3 Series tabs.

**Max. Rating:** 10A. 250V. a.c.

10A. 0-28V. d.c. (non-reactive circuits).

**Contact Resistance:** < 10 m  $\Omega$ .

**Insulation Resistance:** > 10<sup>3</sup> M  $\Omega$ .

**Dielectric Strength:** > 2.5 KV. a.c.

**Operating Temperature:** -20°C + 85°C.

**Materials:-**

**Moulding:** Phenolic.

**Contacts:** Copper with silver face.

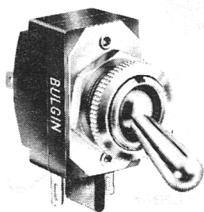
**Terminations:** Brass silver plated.

| Single Pole List No. | Double Pole List No. | Description                                                  | 1               | 2   | 3              |
|----------------------|----------------------|--------------------------------------------------------------|-----------------|-----|----------------|
| <b>SX0790</b>        | <b>SX0780</b>        | Change-over. Centre-off. Locking                             | Locking ON      | OFF | Locking ON     |
| <b>SX0791</b>        | <b>SX0781</b>        | Change-over. Centre-off. One position non locking            | Locking ON      | OFF | Non-Locking ON |
| <b>SX0792</b>        | <b>SX0782</b>        | Change-over. Centre-off. Two positions non-locking           | Non-Locking ON  | OFF | Non-Locking ON |
| <b>SX0793</b>        | <b>SX0783</b>        | Change-over. Two positions only, locking                     | Locking ON      | —   | Locking ON     |
| <b>SX0794</b>        | <b>SX0784</b>        | ON/OFF Two positions only, locking                           | Locking OFF     | —   | Locking ON     |
| —                    | <b>SX0785</b>        | ON/OFF Two positions only, non-locking to OFF                | Non-Locking OFF | —   | Locking ON     |
| —                    | <b>SX0786</b>        | ON/OFF Two positions only, non-locking to ON                 | Locking OFF     | —   | Non-Locking ON |
| <b>SX0797</b>        | <b>SX0787</b>        | Change-over. Two positions only, non locking to one position | Non-Locking ON  | —   | Locking ON     |



# TOGGLE SWITCHES

## Double Pole



**SM0267/2/PD**

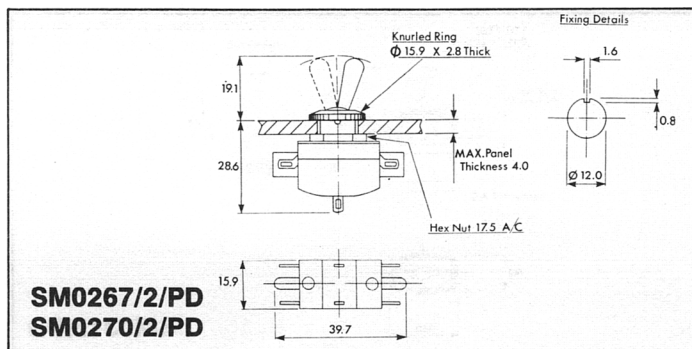
**SM0267/2/PD, SM0270/2/PD** Quick make-break, wiping contact.

**Switching:** **SM0267/2/PD**, Double pole make-break, 2 pairs contacts.

**SM0270/2/PD**, Double pole change-over, 3 pairs contacts.

**Connection:** Solder tags.

**Max. Rating:** 2A. 250V. a.c.



**Contact Resistance:**  $< 10 \text{ m } \Omega$ .

**Insulation Resistance:**  $> 10^3 \text{ M } \Omega$

**Dielectric Strength:**  $> 3.5 \text{ KV. a.c.}$

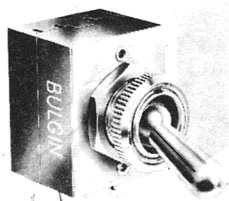
**Operating Temperature:**  $-20^\circ\text{C} + 70^\circ\text{C}$ .

**Materials:-**

**Moulding:** Phenolic.

**Contacts:** Silver-inlaid phosphor bronze.

**Tags:** Copper silver plated.



**SM0277/2/PD**

**SM0277/2/PD, SM0301/2/PD** Quick make-break, wiping contact.

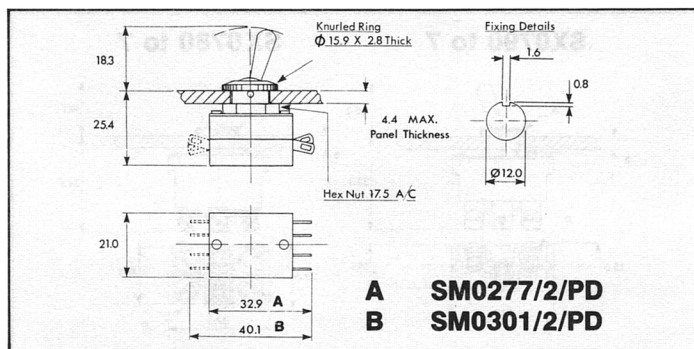
**Switching:** **SM0277/2/PD**, Double pole make-break, 2 pairs contacts.

**SM0301/2/PD**, Double pole change-over, 4 pairs contacts.

**Connection:** Solder tags.

**Max. Rating:** **SM0277/2/PD**, 4A. 250V. a.c.

**SM0301/2/PD** 3A. 250V. a.c.



**Contact Resistance:**  $< 10 \text{ m } \Omega$ .

**Insulation Resistance:**  $> 10^3 \text{ M } \Omega$ .

**Dielectric Strength:**  $> 3.5 \text{ KV. a.c.}$

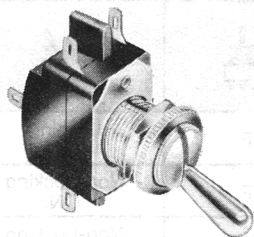
**Operating Temperature:**  $-20^\circ\text{C} + 70^\circ\text{C}$ .

**Materials:-**

**Moulding:** Phenolic.

**Contacts:** Fine silver.

**Tags:** Brass silver plated.



**SM0327/2/PD**

**SM0327/2/PD**, Quick make-break, wiping contact, biased action.

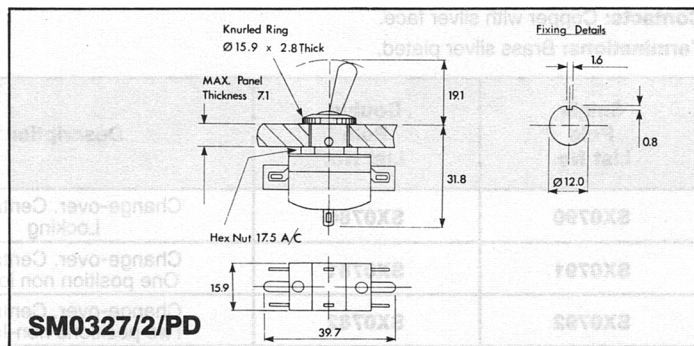
**Switching:** Double pole change-over, 3 pairs contacts.

**Connection:** Solder tags.

**Max. Rating:** 2A. 250V. a.c.

**Contact Resistance:**  $< 10 \text{ m } \Omega$ .

**Insulation Resistance:**  $> 10^3 \text{ M } \Omega$ .



**Dielectric Strength:**  $> 3.5 \text{ KV. a.c.}$

**Operating Temperature:**  $-20^\circ\text{C} + 70^\circ\text{C}$ .

**Materials:-**

**Moulding:** Phenolic.

**Contacts:** Fine silver.

**Tags:** Copper silver plated.

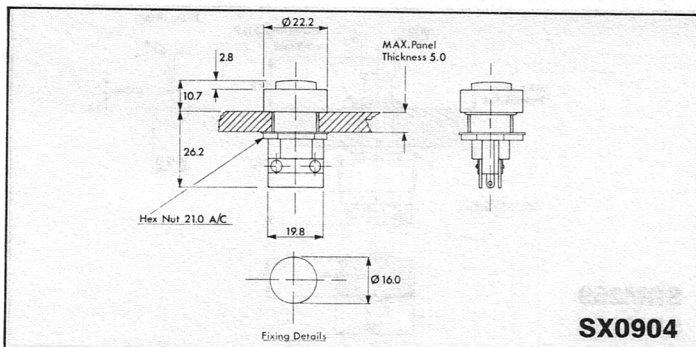


# PUSH BUTTON SWITCHES



Single Pole

**Waterproof**



**SX0904**

**Max. Rating:** 5A. 250V. a.c.

**Insulation Resistance:**  $> 10^3$  M  $\Omega$ .

**Dielectric Strength:**  $> 2.0$  KV. a.c.

**Operating Temperature:** -20°C + 70°C.

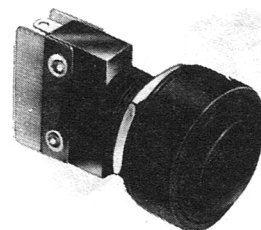
**Materials:-**

**Moulding:** Glass filled nylon.

**Contacts:** Fine silver.

**Tags:** Brass silver plated.

**SX0904**



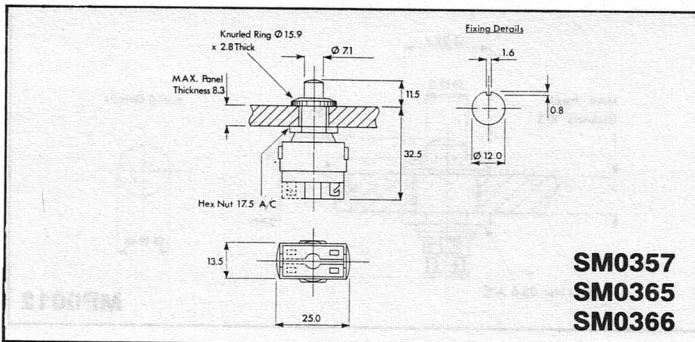
**SX0904** Momentary action, panel & barrier sealed (microswitch not sealed).

- Water & dust proof to IP66, BS5490 (IEC529) compliance.
- Black anodised aluminium body.
- Choice of button colours, **SX0904** - black, red (add /RD), green (add/GN).

**Switching:** Single pole change-over.

**Connection:** **SX0904** = Solder tags.

**SX0904/28** = 2.8 Series tabs/solder tags, to agreed orders.



**SM0357**  
**SM0365**  
**SM0366**

**Contact Resistance:**

**Insulation Resistance:**  $> 10^3$  M  $\Omega$ .

**Dielectric Strength:**  $> 4.5$  KV. a.c.

**Operating Temperature:** -20°C + 70°C.

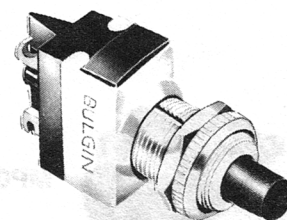
**Materials:-**

**Moulding:** Phenolic.

**Contacts:** Brass silver plated.

**Tags:** Brass silver plated.

**SM0357**



**SM0357, SM0365, SM0366** Quick make-break, momentary action.

- Chrome button /CHR available to agreed orders.

**Switching:** **SM0357** Single pole change-over. 2 pairs contacts.

**SM0365** Single pole make-break, push to make. } 1 pair

**SM0366** Single pole make-break, push to break. } contacts.

**Connection:** **SM0357, SM0365, SM0366** = Solder tags.

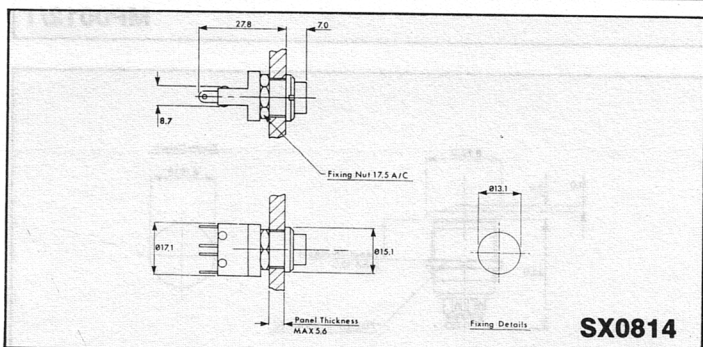
**SM0357, SM0365, SM0366/TERM** = Screw terminals<sup>1</sup>

**SM0357, SM0365, SM0366/63** = 6.3 Series tabs.<sup>1</sup>

**Max. Rating:** **SM0357** 2A. 250V. a.c.

**SM0365, SM0366** 3A. 250V. a.c

<sup>1</sup> To agreed orders.



**SX0814**

**Insulation Resistance:**  $> 10^4$  M  $\Omega$ .

**Dielectric Strength:**  $> 2.5$  KV. a.c.

**Operating Temperature:** -20°C + 70°C.

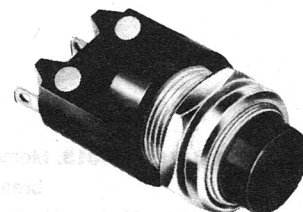
**Materials:-**

**Moulding:** Glass filled nylon.

**Contacts:** Brass silver plated & fine silver.

**Tags:** Brass silver plated.

**SX0814**



**SX0814** Slow make slow break, momentary action.

**Switching:** Single pole change-over.

**Connection:** Solder tags.

**Ratings:** 1A. 28V. d.c. non reactive.

2A. 50V. a.c.

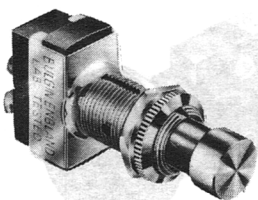
**Contact Resistance:**  $< 10$  m  $\Omega$ .





# PUSH BUTTON SWITCHES

Single Pole - cont.



**SRM259**

**SRM259, SRM265**, Push/push action, quick make-break.

**Switching:** **SRM259** Single pole make-break, 1 pair contacts

**SRM265** Single pole change-over, 2 pairs contacts.

**Connection:** **SRM259, SRM265** = Solder tags.

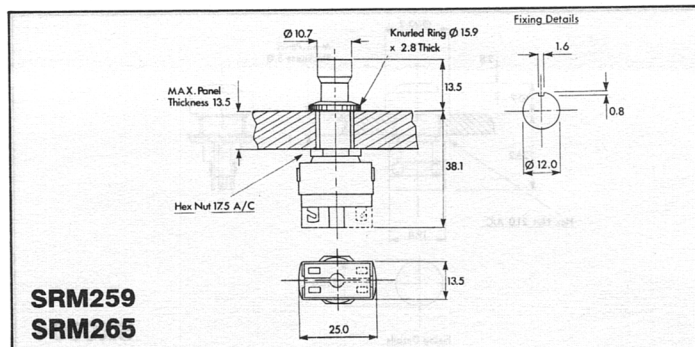
**SRM259, SRM265/TERM** = Screw terminals.

**SRM259, SRM265/63** = 6.3 Series tabs.

**Max. Rating:** **SRM259** 3A. 250V. a.c.

**SRM265** 2A. 250V. a.c.

<sup>1</sup>. To agreed orders.



**SRM259**  
**SRM265**

**Contact Resistance:** < 10 m  $\Omega$ .

**Insulation Resistance:** > 10<sup>3</sup> M  $\Omega$ .

**Dielectric Strength:** > 4.5 KV. a.c.

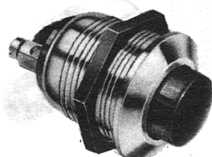
**Operating Temperature:** -20°C + 70°C.

**Materials:-**

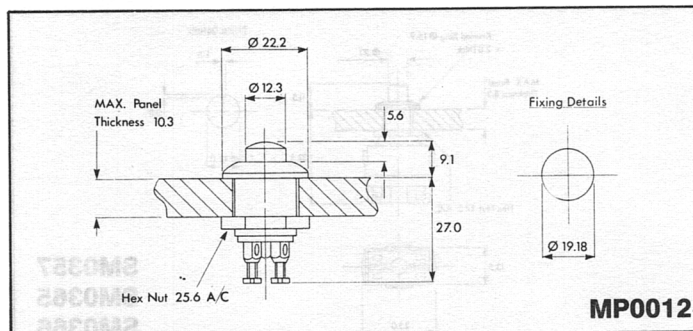
**Moulding:** Phenolic.

**Contacts:** Brass silver plated.

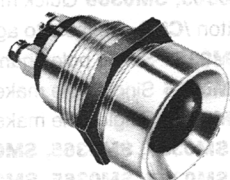
**Tags:** Brass silver plated.



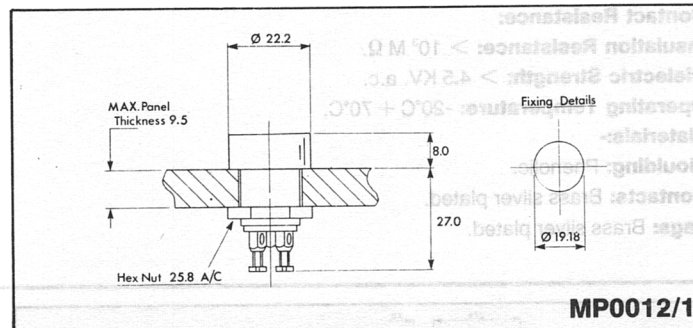
**MP0012**



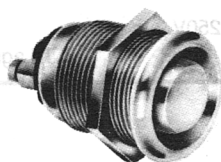
**MP0012**



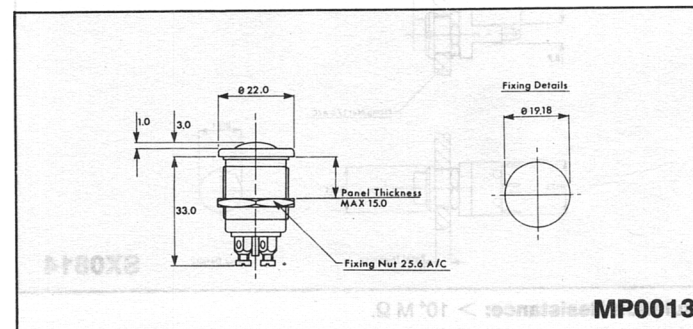
**MP0012/1**



**MP0012/1**



**MP0013**



**MP0013**

**MP0012, MP0012/1, MP0013.** Momentary action, slow make slow break.

**MP0012, MP0012/1.** Choice of button colour, standard is black, for red add /RD, for white add /WH.

**MP0013** has a stainless steel button and its robust construction makes it ideal for use in Security call systems etc.

**Switching:** **MP0012, MP0012/1, MP0013** push to make.

**MP0012/R, MP0012/1/R** push to break (denoted by red insulation).

**Connection:** Screw terminals.

**Ratings:** 1/4A.250V. a.c. 1A.110V. a.c. 2A.12V. a.c./d.c.

**Contact Resistance:** <15m $\Omega$ .

**Insulation Resistance:** >10<sup>4</sup>M $\Omega$ .

**Dielectric Strength:** >2.5KV. a.c.

**Operating Temperature:** -20°C to +85°C.

**Materials:-**

**Body:** Brass chrome plated.

**Moulding:** Glass filled nylon.

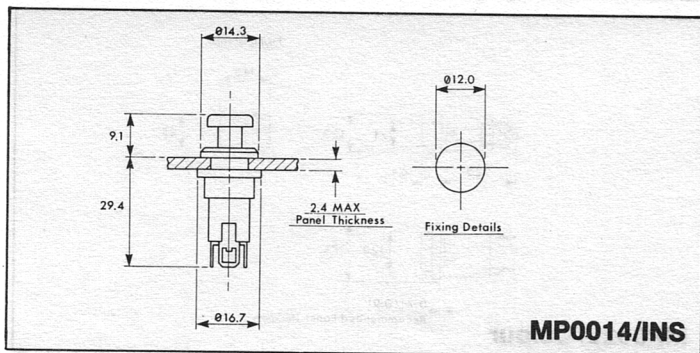
**Contacts:** Brass silver plated.

**Termination:** Brass silver plated.

# PUSH BUTTON SWITCHES



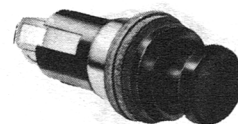
Single Pole - cont.



**MP0014/INS**

**Contact Resistance:** < 15 m  $\Omega$ .  
**Insulation Resistance:** > 10<sup>4</sup> M  $\Omega$ .  
**Dielectric Strength:** > 2 KV. a.c.  
**Operating Temperature:** -20°C + 85°C.  
**Materials:-**  
**Moulding:** Glass filled nylon.  
**Contacts:** Brass silver plated.  
**Tags:** Brass silver plated.

**MP0014/INS**



**MP0014/INS** Slow make slow break, momentary action.

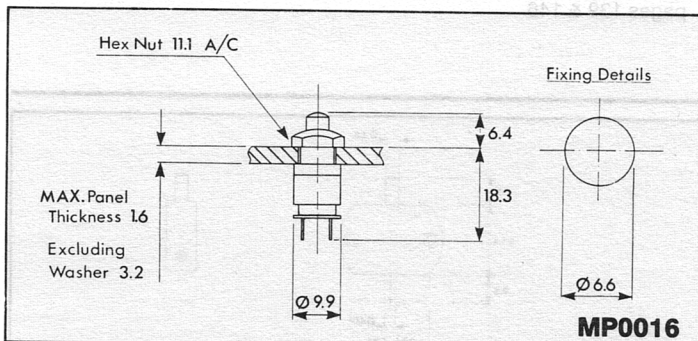
- Choice of button colours, **MP0014/INS** - black, for red add /RD.

\*(N.B. Insulating ring and washer isolate bush from front panel as bush is LIVE to switching contacts).

**Switching:** Single pole change-over.

**Connection:** = Solder tags.

**Rating:** 1A. 28V. a.c./d.c. non-inductive.



**MP0016**

**Insulation Resistance:** > 10<sup>4</sup> M  $\Omega$ .  
**Dielectric Strength:** > 2 KV. a.c.  
**Operating Temperature:** -20°C + 85°C.  
**Materials:-**  
**Moulding:** Glass filled nylon.  
**Contacts:** Brass silver plated.  
**Tags:** Brass silver plated.

**MP0016**



**MP0016** Slow make slow break, momentary action.

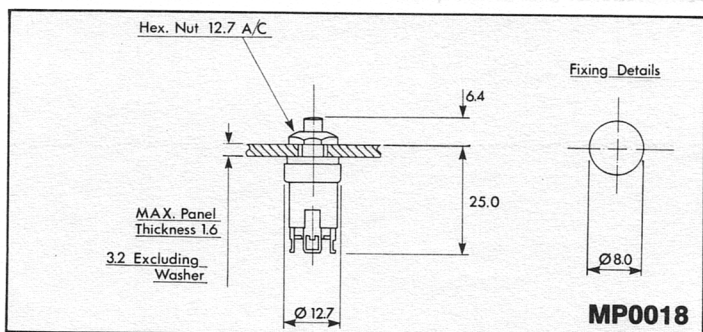
- Choice of button colours, **MP0016** - black, for red add /RD, white add /WH.

**Switching:** Single pole make-break, push to make.

**Connection:** Solder tags.

**Rating:** 1A. 28V. a.c./d.c. non-inductive.

**Contact Resistance:** < 15 m  $\Omega$ .



**MP0018**

**Insulation Resistance:** > 10<sup>4</sup> M  $\Omega$ .  
**Dielectric Strength:** > 4 KV. a.c.  
**Operating Temperature:** -20°C + 85°C.  
**Materials:-**  
**Moulding:** Glass filled nylon.  
**Contacts:** Brass silver plated.  
**Tags:** Brass silver plated.

**MP0018**



**MP0018** Slow make slow break, momentary action.

- Choice of button colours, **MP0018** - black, for red add /RD, white add /WH.

**Switching:** Single pole change-over.

**Connection:** Solder tags.

**Rating:** 1A. 28V. a.c./d.c. non-inductive.

**Contact Resistance:** < 15 m  $\Omega$ .



**MP0022**

**MP0022** Slow make slow break, momentary action.

- Push fit to panel.
- Choice of button colour, **MP0022** - black, for red add **/RD**, white add **/WH**.

**Switching:** Single pole make-break, push to make.

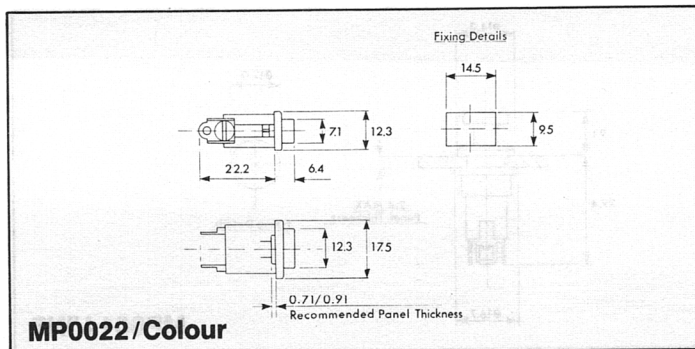
**Connection:** **MP0022** = Solder tags.

**M0022/TERM** = Screw terminals, to agreed orders.

**Ratings:** ½A. 250V. a.c.

½A. 110V. a.c.

1A. 0.1 to 28V. a.c./d.c. Bush dead.



**MP0022 / Colour**

**Contact Resistance:** < 15 m Ω.

**Insulation Resistance:** > 10<sup>4</sup> M Ω.

**Dielectric Strength:** > 2.5 KV. a.c.

**Operating Temperature:** -20°C + 70°C.

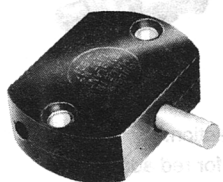
**Materials:-**

**Moulding:** Nylon.

**Contacts:** Brass silver plated.

**Tags:** Brass silver plated.

- **DX0022** matching signal lamp & **DX0022/V** matching neon on pages 139 & 146.



**SX0621**

**SX0621** Slow make slow break, momentary action.

- Mounts against flat surface by two fixing screws.

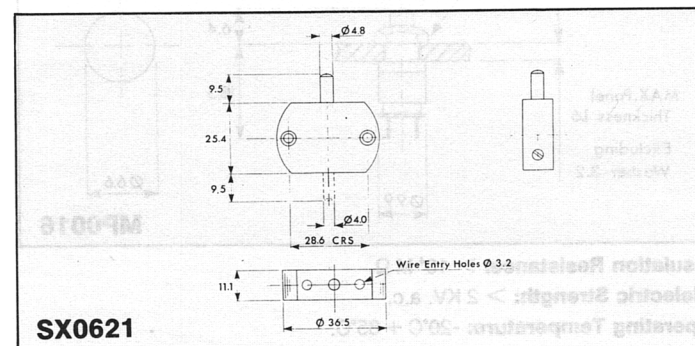
**Switching:** Single pole make-break, push to break.

**Connection:** 2 x internal screw terminals.

**Max. Rating:** ½A. 250V. a.c.

**Contact Resistance:** < 40 m Ω.

**Insulation Resistance:** > 10<sup>3</sup> M Ω.



**SX0621**

**Dielectric Strength:** > 2 KV. a.c.

**Operating Temperature:** -20°C + 60°C.

**Materials:-**

**Mouldings:** Phenolic.

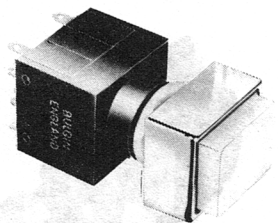
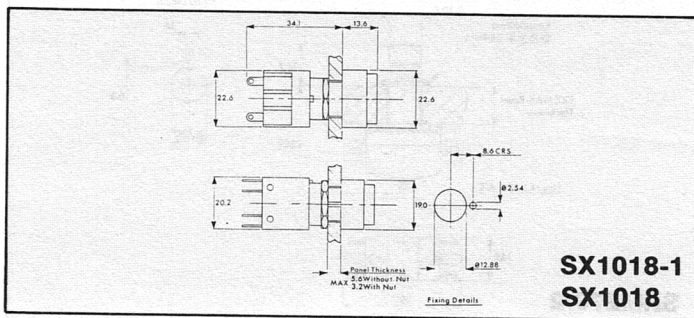
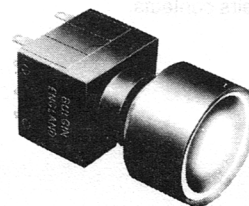
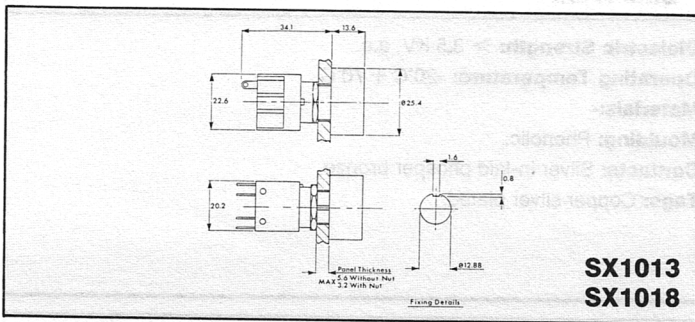
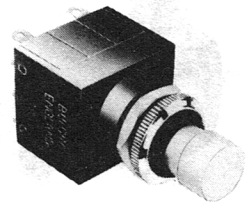
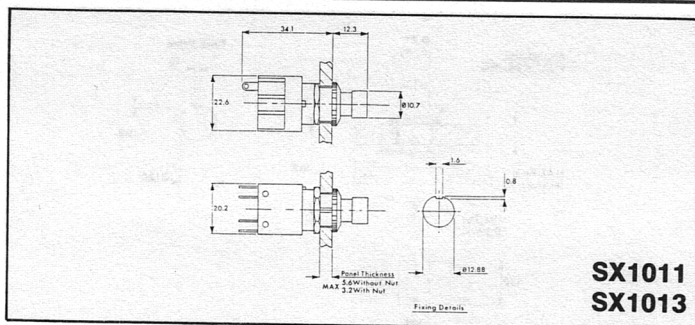
**Contacts:** Fixed-nickel silver. Switching-Brass silver plated.

**Terminations:** Brass nickel plated.



# PUSH BUTTON SWITCHES

Single & Double Pole



| List No.        | Switching (Momentary)   | Button Colours          |
|-----------------|-------------------------|-------------------------|
| <b>SX1011</b>   | Single pole change-over | red add /RD             |
| <b>SX1013</b>   | Double pole change-over | amber add/AM            |
| <b>SX1018</b>   |                         | green add /GN           |
| <b>SX1018/1</b> |                         | blue add /BL            |
| <b>SX1023</b>   | Single pole change-over | white add /WH           |
| <b>SX1025</b>   | Double pole change-over | e.g. <b>SX1018/1/WH</b> |

**Max. Rating:** 5A.250V. a.c.

**Connection:** Standard **List No.** Solder tags.

**List No/28** = 2.8 Series tabs/solder tags.

**Insulation Resistance:**  $> 10^9 \text{M}\Omega$ .

**Dielectric Strength:**  $> 4\text{KV}$ . a.c.

**Operating Temperature:**  $-20^\circ\text{C}$  to  $+60^\circ\text{C}$ .

**Materials:-**

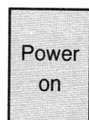
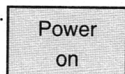
**Mouldings:** Glass filled nylon.

**Contacts:** Fine silver.

**Tags:** Brass, silver plated.

**Legends: SX1018 & SX1018-1** may be engraved. Supply sketch to indicate legend and position.

e.g.

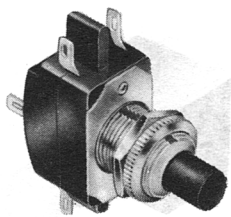


Matching illuminated switches, page 233.



# PUSH BUTTON SWITCHES

Double Pole & Single Pole



SM0419/2

**SM0419/2** Quick make-break, wiping contact, momentary action.

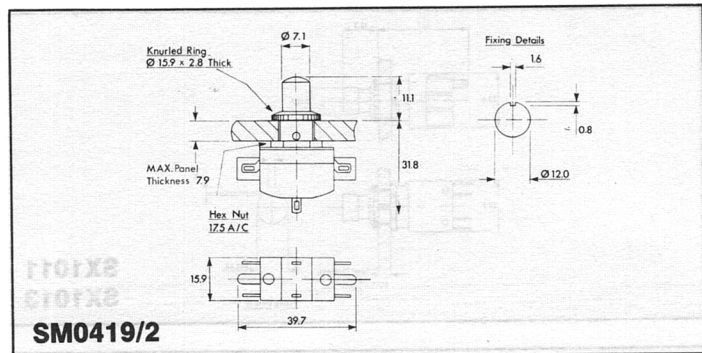
**Switching:** Double pole change-over, 3 pairs contacts.

**Connection:** Solder tags.

**Max. Rating:** 2A. 250V. a.c.

**Contact Resistance:** < 10 m  $\Omega$ .

**Insulation Resistance:** > 10<sup>3</sup> M  $\Omega$ .



**Dielectric Strength:** > 3.5 KV. a.c.

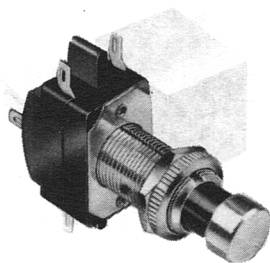
**Operating Temperature:** -20°C + 70°C.

**Materials:-**

**Moulding:** Phenolic.

**Contacts:** Silver in-laid phosphor bronze.

**Tags:** Copper silver plated.



SRM270/2

**SRM270/2** Push/push action, quick make-break, wiping contacts.

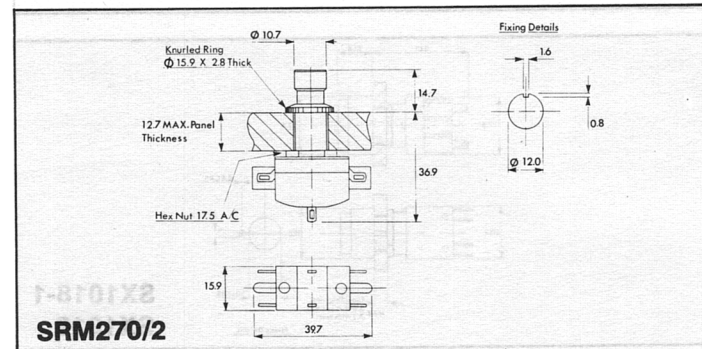
**Switching:** Double pole change-over, 3 pairs contacts.

**Connection:** Solder tags.

**Max. Rating:** 2A. 250V. a.c.

**Contact Resistance:** < 10 m  $\Omega$ .

**Insulation Resistance:** > 10<sup>3</sup> M  $\Omega$ .



**Dielectric Strength:** > 3.5 KV. a.c.

**Operating Temperature:** -20°C + 70°C.

**Materials:-**

**Moulding:** Phenolic.

**Contacts:** Silver-inlaid phosphor bronze.

**Tags:** Copper silver plated.

| List No. |                         | Part No. |
|----------|-------------------------|----------|
| 2X1011   | Single pole change-over | 2X1011   |
| 2X1012   | Double pole change-over | 2X1012   |
| 2X1013   | Double pole change-over | 2X1013   |
| 2X1014   | Double pole change-over | 2X1014   |
| 2X1015   | Double pole change-over | 2X1015   |
| 2X1016   | Double pole change-over | 2X1016   |
| 2X1017   | Double pole change-over | 2X1017   |
| 2X1018   | Double pole change-over | 2X1018   |
| 2X1019   | Double pole change-over | 2X1019   |
| 2X1020   | Double pole change-over | 2X1020   |
| 2X1021   | Double pole change-over | 2X1021   |
| 2X1022   | Double pole change-over | 2X1022   |
| 2X1023   | Double pole change-over | 2X1023   |
| 2X1024   | Double pole change-over | 2X1024   |
| 2X1025   | Double pole change-over | 2X1025   |
| 2X1026   | Double pole change-over | 2X1026   |
| 2X1027   | Double pole change-over | 2X1027   |
| 2X1028   | Double pole change-over | 2X1028   |
| 2X1029   | Double pole change-over | 2X1029   |
| 2X1030   | Double pole change-over | 2X1030   |
| 2X1031   | Double pole change-over | 2X1031   |
| 2X1032   | Double pole change-over | 2X1032   |
| 2X1033   | Double pole change-over | 2X1033   |
| 2X1034   | Double pole change-over | 2X1034   |
| 2X1035   | Double pole change-over | 2X1035   |
| 2X1036   | Double pole change-over | 2X1036   |
| 2X1037   | Double pole change-over | 2X1037   |
| 2X1038   | Double pole change-over | 2X1038   |
| 2X1039   | Double pole change-over | 2X1039   |
| 2X1040   | Double pole change-over | 2X1040   |
| 2X1041   | Double pole change-over | 2X1041   |
| 2X1042   | Double pole change-over | 2X1042   |
| 2X1043   | Double pole change-over | 2X1043   |
| 2X1044   | Double pole change-over | 2X1044   |
| 2X1045   | Double pole change-over | 2X1045   |
| 2X1046   | Double pole change-over | 2X1046   |
| 2X1047   | Double pole change-over | 2X1047   |
| 2X1048   | Double pole change-over | 2X1048   |
| 2X1049   | Double pole change-over | 2X1049   |
| 2X1050   | Double pole change-over | 2X1050   |
| 2X1051   | Double pole change-over | 2X1051   |
| 2X1052   | Double pole change-over | 2X1052   |
| 2X1053   | Double pole change-over | 2X1053   |
| 2X1054   | Double pole change-over | 2X1054   |
| 2X1055   | Double pole change-over | 2X1055   |
| 2X1056   | Double pole change-over | 2X1056   |
| 2X1057   | Double pole change-over | 2X1057   |
| 2X1058   | Double pole change-over | 2X1058   |
| 2X1059   | Double pole change-over | 2X1059   |
| 2X1060   | Double pole change-over | 2X1060   |
| 2X1061   | Double pole change-over | 2X1061   |
| 2X1062   | Double pole change-over | 2X1062   |
| 2X1063   | Double pole change-over | 2X1063   |
| 2X1064   | Double pole change-over | 2X1064   |
| 2X1065   | Double pole change-over | 2X1065   |
| 2X1066   | Double pole change-over | 2X1066   |
| 2X1067   | Double pole change-over | 2X1067   |
| 2X1068   | Double pole change-over | 2X1068   |
| 2X1069   | Double pole change-over | 2X1069   |
| 2X1070   | Double pole change-over | 2X1070   |
| 2X1071   | Double pole change-over | 2X1071   |
| 2X1072   | Double pole change-over | 2X1072   |
| 2X1073   | Double pole change-over | 2X1073   |
| 2X1074   | Double pole change-over | 2X1074   |
| 2X1075   | Double pole change-over | 2X1075   |
| 2X1076   | Double pole change-over | 2X1076   |
| 2X1077   | Double pole change-over | 2X1077   |
| 2X1078   | Double pole change-over | 2X1078   |
| 2X1079   | Double pole change-over | 2X1079   |
| 2X1080   | Double pole change-over | 2X1080   |
| 2X1081   | Double pole change-over | 2X1081   |
| 2X1082   | Double pole change-over | 2X1082   |
| 2X1083   | Double pole change-over | 2X1083   |
| 2X1084   | Double pole change-over | 2X1084   |
| 2X1085   | Double pole change-over | 2X1085   |
| 2X1086   | Double pole change-over | 2X1086   |
| 2X1087   | Double pole change-over | 2X1087   |
| 2X1088   | Double pole change-over | 2X1088   |
| 2X1089   | Double pole change-over | 2X1089   |
| 2X1090   | Double pole change-over | 2X1090   |
| 2X1091   | Double pole change-over | 2X1091   |
| 2X1092   | Double pole change-over | 2X1092   |
| 2X1093   | Double pole change-over | 2X1093   |
| 2X1094   | Double pole change-over | 2X1094   |
| 2X1095   | Double pole change-over | 2X1095   |
| 2X1096   | Double pole change-over | 2X1096   |
| 2X1097   | Double pole change-over | 2X1097   |
| 2X1098   | Double pole change-over | 2X1098   |
| 2X1099   | Double pole change-over | 2X1099   |
| 2X1100   | Double pole change-over | 2X1100   |

Operating Temperature: -20°C to +60°C.  
Materials:-  
Moulding: Glass filled nylon.  
Contacts: Fine silver.  
Tags: Brass, silver plated.

Max. Rating: 2A 250V. a.c.  
Connection: Standard List No. Solder tags.  
List No. 2X1011 = 2A 250V. a.c. Single pole change-over.  
List No. 2X1012 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1013 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1014 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1015 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1016 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1017 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1018 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1019 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1020 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1021 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1022 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1023 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1024 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1025 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1026 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1027 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1028 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1029 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1030 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1031 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1032 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1033 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1034 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1035 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1036 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1037 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1038 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1039 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1040 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1041 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1042 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1043 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1044 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1045 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1046 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1047 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1048 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1049 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1050 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1051 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1052 = 2A 250V. a.c. Double pole change-over.  
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List No. 2X1059 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1060 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1061 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1062 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1063 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1064 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1065 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1066 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1067 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1068 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1069 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1070 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1071 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1072 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1073 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1074 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1075 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1076 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1077 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1078 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1079 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1080 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1081 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1082 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1083 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1084 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1085 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1086 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1087 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1088 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1089 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1090 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1091 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1092 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1093 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1094 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1095 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1096 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1097 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1098 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1099 = 2A 250V. a.c. Double pole change-over.  
List No. 2X1100 = 2A 250V. a.c. Double pole change-over.

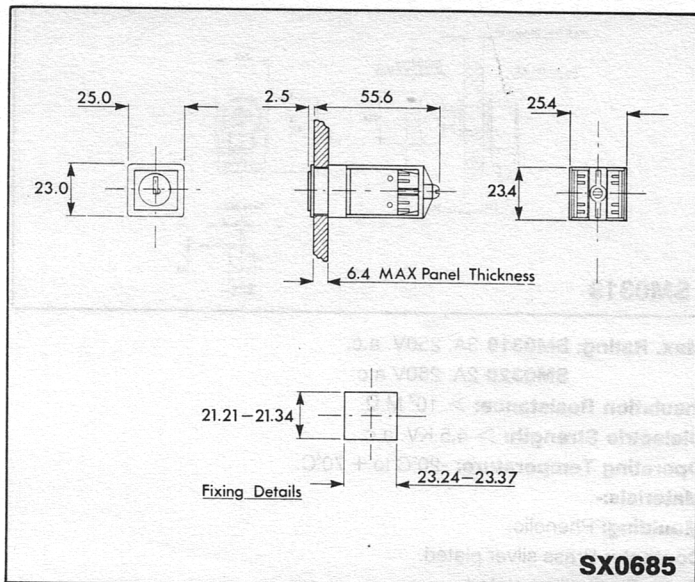
Legend: 2X1011 & 2X1012 may be removed. Supply sketch to indicate legend and position.



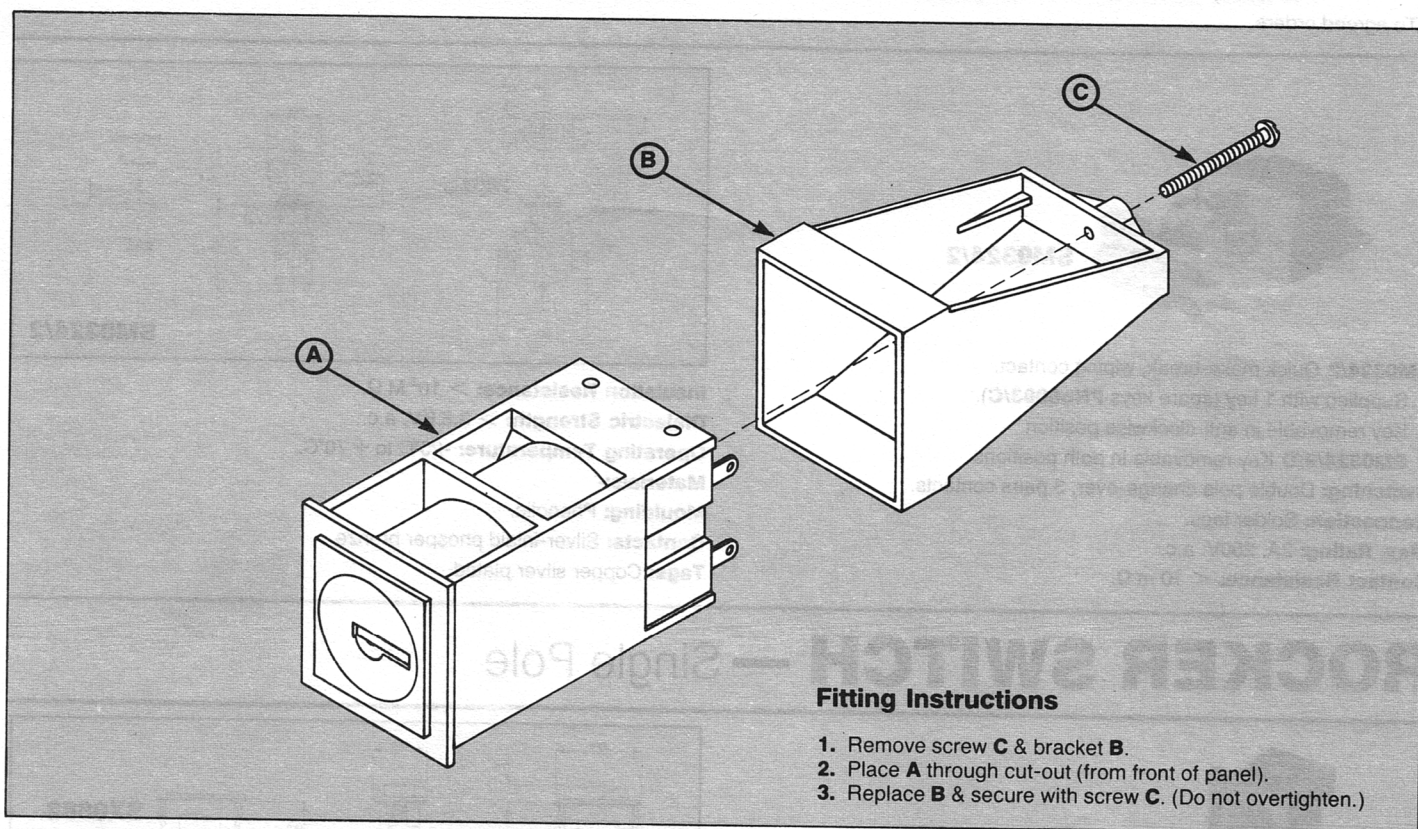
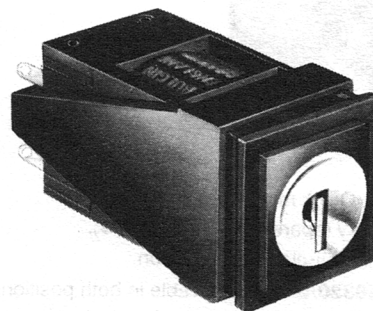
# KEYSWITCHES



'Security' Range



**SX0685**



- Low profile, square bezel.
- Double pole, change-over switching.
- 5 Tumbler cylinders.

**SX0685** Type - Random selection from 70 key combinations. (No spare keys available).

**SX0686** Type - Identical keys. (Spare keys available).

Switching: **SX0685, SX0686** - 2 position 90° key rotation, removable in anti-clockwise only.

**SX0685, SX0686/D** - 2 position, 90° key rotation, removable in both positions.

**SX0685, SX0686/SL** - 2 position, 90° key rotation, biased to anti-clockwise position.

**Connection:** Standard list No. = Solder tags.

List No/28 = 2.8 Series tabs/solder tags.<sup>1</sup>

**Max. Rating:** 5A. 250V a.c. Non inductive.

2A. 50V. d.c. } Non-inductive.  
3A. 28V. d.c. }

**Insulation Resistance:** > 10<sup>9</sup> M Ω.

**Dielectric Strength:** > 4 KV. a.c.

**Operating Temperature:** -20°C to + 70°C.

**Materials:-**

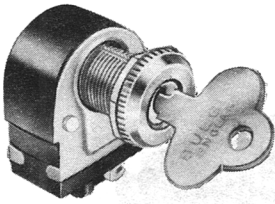
**Moulding:** Glass filled nylon.

**Contacts:** Fine silver.

**Tags:** Brass silver plated.

<sup>1</sup> To agreed orders.



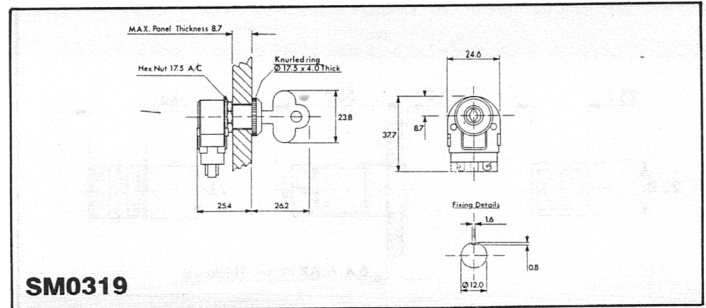


**SM0319**

**SM0319, SM0320** Quick make-break.

- Supplied with 1 key (spare keys **PNo6083/C**).
  - Key removable in anti-clockwise position.
  - **SM0319/D, SM0320/D** key removable in both positions.
- Switching:** **SM0319** Single pole make-break, 1 pair contacts.  
**SM0320** Single pole change-over, 2 pairs contacts.
- Connection:** **SM0319, SM0320** = Solder tags.  
**SM0319, SM0320/TERM** = Screw terminals.<sup>1</sup>  
**SM0319, SM0320/63** = 6.3 Series tabs.<sup>1</sup>

<sup>1</sup> To agreed orders.



**SM0319**

**Max. Rating:** **SM0319** 3A. 250V. a.c.

**SM0320** 2A. 250V a.c.

**Insulation Resistance:**  $> 10^3$  M  $\Omega$ .

**Dielectric Strength:**  $> 4.5$  KV. a.c.

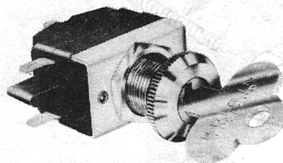
**Operating Temperature:** -20°C to +70°C.

**Materials:-**

**Moulding:** Phenolic.

**Contacts:** Brass silver plated.

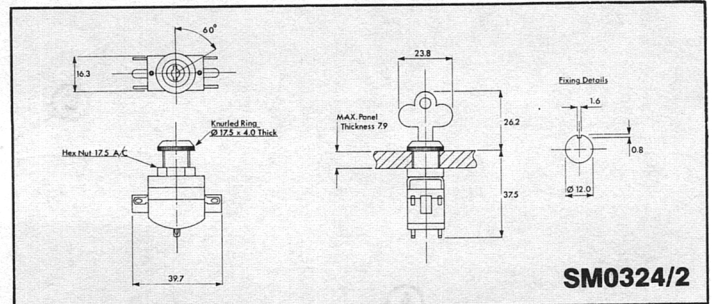
**Tags:** Brass silver plated.



**SM0324/2**

**SM0324/2** Quick make-break, wiping contact.

- Supplied with 1 key (spare keys **PNo6083/C**).
  - Key removable in anti-clockwise position.
  - **SM0324/2/D** Key removable in both positions.
- Switching:** Double pole change-over, 3 pairs contacts.
- Connection:** Solder tags.
- Max. Rating:** 2A. 250V. a.c.
- Contact Resistance:**  $< 10$  m  $\Omega$ .



**SM0324/2**

**Insulation Resistance:**  $> 10^3$  M  $\Omega$ .

**Dielectric Strength:**  $> 3.5$  KV. a.c.

**Operating Temperature:** -20°C to +70°C.

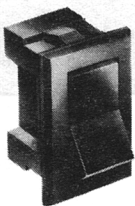
**Materials:-**

**Moulding:** Phenolic.

**Contacts:** Silver-inlaid phosphor bronze.

**Tags:** Copper silver plated.

## ROCKER SWITCH — Single Pole



**SX0881/BK/BK**

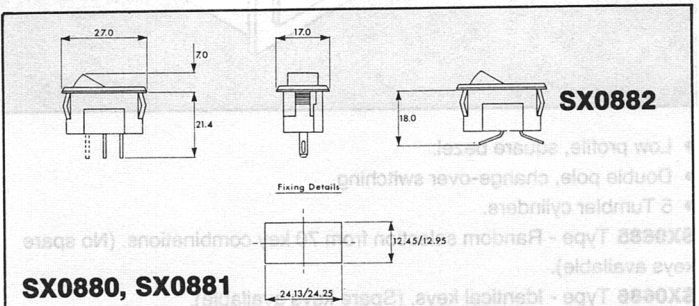
**SX0880, SX0881, SX0882/Colour/Colour** Wiping (self cleaning) action, slow make, slow break.

- Push fit to panel.
- Paddle lever **/PL** to agreed orders.
- **Colours:** List No. **/BK/BK** all black, List No. **/WH/WH** all white.  
 List No. **/BK/WH** black body/white button.<sup>1</sup>  
 List No. **/WH/BK** white body/black button.<sup>1</sup>

**Switching:** **SX0880** Single pole change-over. **SX0881, SX0882** Single pole ON/OFF.

**Connection:** 2.8 series tabs/solder tags. **SX0882** has angled tabs (solder only) see drawing.

<sup>1</sup> To agreed orders.



**SX0880, SX0881**

**SX0882**

**Max. Rating:** 2A. 250V. a.c.

**Contact Resistance:**  $< 10$  m  $\Omega$ .

**Insulation Resistance:**  $> 10^4$  M  $\Omega$ .

**Dielectric Strength:**  $> 5$  KV. a.c.

**Operating Temperature:** -20°C to +70°C.

**Materials:-**

**Moulding:** Glass filled nylon.

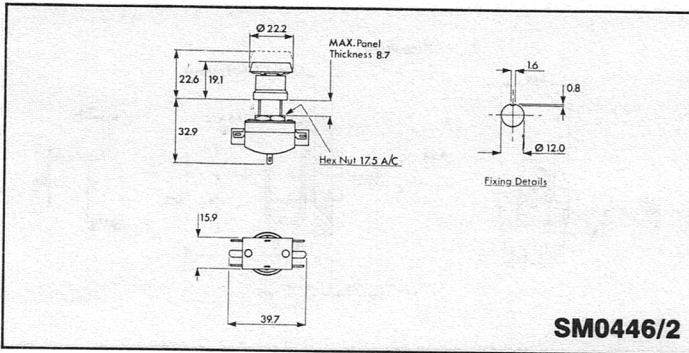
**Contacts:** Phosphor bronze.

**Tags:** Brass silver plated.

# PUSH-PULL SWITCH



Double Pole



SM0446/2

**Insulation Resistance:**  $> 10^3 \text{ M } \Omega$ .

**Dielectric Strength:**  $> 3.5 \text{ KV. a.c.}$

**Operating Temperature:**  $-20^\circ\text{C}$  to  $+70^\circ\text{C}$ .

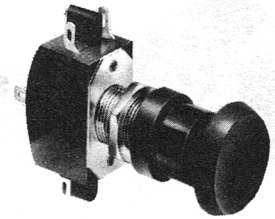
**Materials:-**

**Mouldings:** Body-Phenolic. Button/Ring-nylon.

**Contacts:** Silver-inlaid phosphor bronze.

**Tags:** Copper silver plated.

SM0446/2



**SM0446/2** Quick make-break, wiping contact.

- **SM0446/2** Button & ring red, for black (to agreed orders) add /BK.
- Available insulated from panel add /INS.

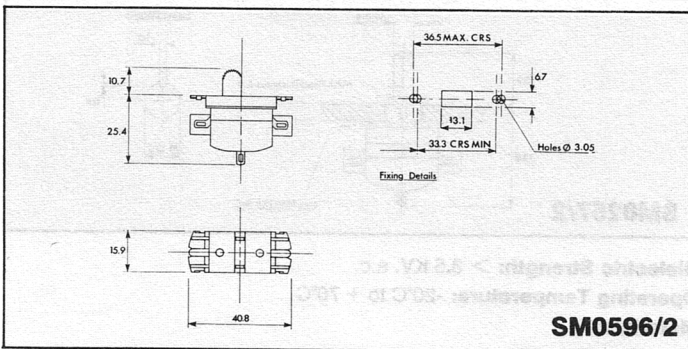
**Switching:** Double pole change-over, 3 pairs contacts.

**Connection:** Solder tags.

**Max. Rating:** 2A. 250V. a.c. **Contact Resistance:**  $< 10 \text{ m } \Omega$ .

- Also available without front ring, please enquire.

# SLIDE SWITCH Double Pole



SM0596/2

**Dielectric Strength:**  $> 3.5 \text{ KV. a.c.}$

**Operating Temperature:**  $-20^\circ\text{C}$  to  $+70^\circ\text{C}$ .

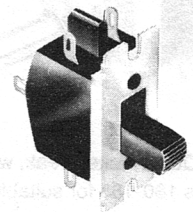
**Materials:-**

**Moulding:** Phenolic.

**Contacts:** Silver-inlaid phosphor bronze.

**Tags:** Copper silver plated.

SM0596/2



**SM0596/2** Quick make-break, wiping contact.

**Switching:** Double pole change-over, 3 pairs contacts.

**Connection:** Solder tags.

**Max. Rating:** 2A. 250V. a.c.

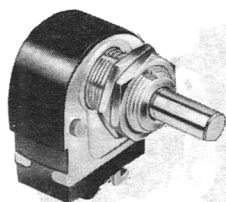
**Contact Resistance:**  $< 10 \text{ m } \Omega$ .

**Insulation Resistance:**  $> 10^3 \text{ M } \Omega$ .



# ROTARY SWITCH

## Single & Double Pole



**SM0254**

**SM0254** Quick make-break.

- See pages 180-185 for suitable knob.

**Switching:** Single pole change-over, 2 pairs contacts.

**Connection:** **SM0254** = Solder tags.

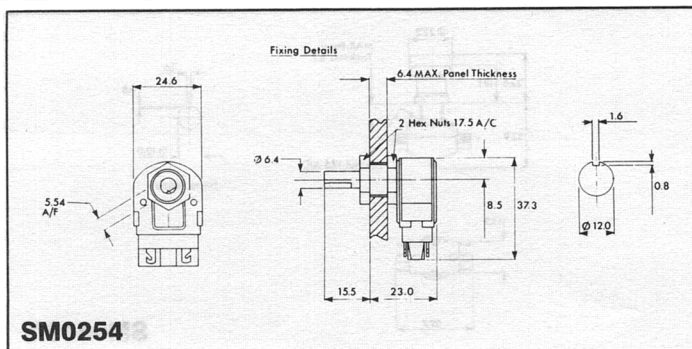
**SM0254/TERM** = Screw terminals.<sup>1</sup>

**SM0254/63** = 6.3 Series tabs.<sup>1</sup>

**Max. Rating:** 2A. 250V. a.c.

**Contact Resistance:** < 10 m Ω.

<sup>1</sup> To agreed orders.



**Insulation Resistance:** > 10<sup>3</sup> M Ω.

**Dielectric Strength:** > 4.5 KV. a.c.

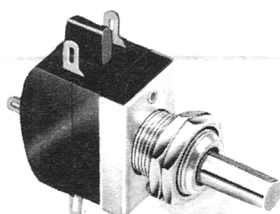
**Operating Temperature:** -20°C to + 70°C.

**Materials:-**

**Moulding:** Phenolic.

**Contacts:** Brass silver plated.

**Tags:** Brass silver plated.



**SM0257/2**

**SM0257/2** Quick make-break, wiping contact.

- See pages 180-185 for suitable knob.

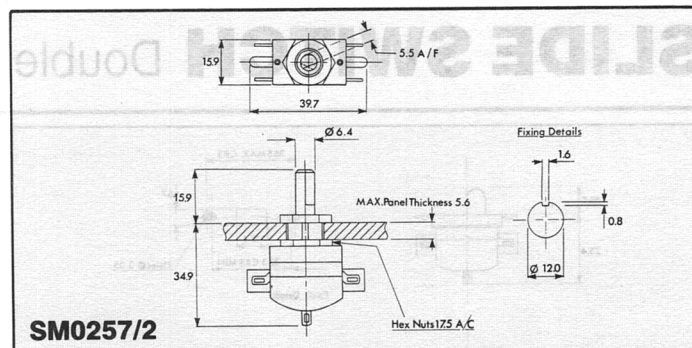
**Switching:** Double pole change-over.

**Connection:** Solder tags.

**Max. Rating:** 2A. 250V. a.c.

**Contact Resistance:** < 10 m Ω.

**Insulation Resistance:** > 10<sup>3</sup> M Ω.



**Dielectric Strength:** > 3.5 KV. a.c.

**Operating Temperature:** -20°C to + 70°C.

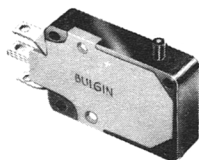
**Materials:-**

**Moulding:** Phenolic.

**Contacts:** Silver-inlaid phosphor bronze.

**Tags:** Copper silver plated.

## MICROSWITCHES



**SX0530**

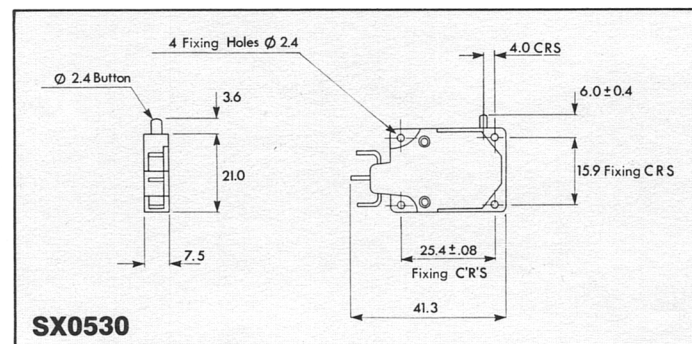
**SX0530** Average operating pressure, 25-50 gms.

**SX0530/LRN** Lever operator with nylon roller. To agreed orders.

**Switching:** Single pole change-over, spring loaded.

**Connection:** Solder tags.

**Max. Rating:** 3A. 250V. a.c.



**Insulation Resistance:** > 10<sup>4</sup> M Ω.

**Dielectric Strength:** (Contacts to Earth) > 2 KV. a.c.

**Operating Temperature:** -20°C to + 60°C.

**Materials:-**

**Moulding:** Phenolic.

**Contacts:** Fine silver.

**Tags:** Brass & copper silver plated.