

# Contents

|                                                     |                   |
|-----------------------------------------------------|-------------------|
| SELECTION INDEX                                     | PAGE              |
|                                                     | 2                 |
| AVAILABLE PLANFORMS                                 | 3                 |
| ALTERNATIVE ORIENTATIONS                            | 4-7               |
| PART NUMBER MAKE-UP                                 | 8                 |
| SPECIFICATION SB-M4 ALUMINIUM                       | 9                 |
| SPECIFICATION SB-M4 BRASS                           | 21                |
| SPECIFICATION SB-104 ALUMINIUM                      | 33                |
| SPECIFICATION SB-104 BRASS                          | 49                |
| SPECIFICATION SB-104 DD ALUMINIUM                   | 65                |
| SPECIFICATION SB-104 DD BRASS                       | 79                |
| GENERAL INFORMATION (CONNECTORS AND ACCESSORY SETS) |                   |
| SB-M4 ALUMINIUM                                     | 10-11             |
| SMALL 2, 3, 4, 6 CONTACTS                           | 12-13             |
| MEDIUM 4, 6, 12 CONTACTS                            | 14-15             |
| LARGE 18, 25 CONTACTS                               |                   |
| SB-M4 BRASS                                         | 22-23             |
| SMALL 2, 3, 4, 6 CONTACTS                           | 24-25             |
| MEDIUM 4, 6, 12 CONTACTS                            | 26-27             |
| LARGE 18, 25 CONTACTS                               |                   |
| SB-104 ALUMINIUM                                    | 34-35             |
| SMALL 2, 3, 4, 6 CONTACTS                           | 36-37             |
| MEDIUM 4, 6, 12 CONTACTS                            | 38-39             |
| LARGE 4, 5 CONTACTS                                 | 40-41             |
| LARGE 6, 9 CONTACTS                                 | 42-43             |
| LARGE 18, 25 CONTACTS                               |                   |
| SB-104 BRASS                                        | 50-51             |
| SMALL 2, 3, 4, 5 CONTACTS                           | 52-53             |
| MEDIUM 4, 6, 12 CONTACTS                            | 54-55             |
| LARGE 4, 5 CONTACTS                                 | 56-57             |
| LARGE 6, 9 CONTACTS                                 | 58-59             |
| LARGE 18, 25 CONTACTS                               |                   |
| SB-104DD ALUMINIUM                                  | 66-67             |
| SMALL 12 CONTACTS                                   | 68-69             |
| MEDIUM 26 CONTACTS                                  | 70-71             |
| LARGE 37 CONTACTS                                   | 72-73             |
| LARGE 62 CONTACTS                                   |                   |
| SB-104DD BRASS                                      | 80-81             |
| SMALL 12 CONTACTS                                   | 82-83             |
| MEDIUM 26 CONTACTS                                  | 84-85             |
| LARGE 62 CONTACTS                                   |                   |
| ACCESSORIES, SPARES AND TOOLS                       | 17-20             |
| SB-M4 ALUMINIUM                                     | 29-32             |
| SB-M4 BRASS                                         | 45-48             |
| SB-104 ALUMINIUM                                    | 61-64             |
| SB-104 BRASS                                        | 75-78             |
| SB-104DD ALUMINIUM                                  | 87-90             |
| SB-104DD BRASS                                      |                   |
| PANEL MOUNTING DETAILS                              | 16                |
| SB-M4 ALUMINIUM                                     | 28                |
| SB-M4 BRASS                                         | 44                |
| SB-104 ALUMINIUM                                    | 60                |
| SB-104 BRASS                                        | 74                |
| SB-104DD ALUMINIUM                                  | 86                |
| SB-104DD BRASS                                      |                   |
| INDEX                                               | 91                |
| PART NO. CROSS REFERENCE AND PAGE INDEX BOOKLET     | Inside Back Cover |
| WIRING CHART                                        | Inside Back Cover |
| METRIC CONVERSION TABLE                             | 92-93             |

# SELECTION INDEX

## SB-M4

## SB-104

## SB-104 DD\*

ALUMINIUM OR BRASS SHELLS

ALUMINIUM OR BRASS SHELLS

| Shell Size | No. of Contacts | Current Rating AMPS | Voltage A.C. (r.m.s.) | Voltage D.C.     | Page  |       | No. of Contacts | Current Rating AMPS | Voltage A.C. (r.m.s.) | Voltage D.C.     | Page  |       |
|------------|-----------------|---------------------|-----------------------|------------------|-------|-------|-----------------|---------------------|-----------------------|------------------|-------|-------|
|            |                 |                     |                       |                  | Alum  | Brass |                 |                     |                       |                  | Alum  | Brass |
| SMALL      | 2               | 19                  | 250                   | 350              | 10/11 | 22/23 | 2               | 19                  | 350                   | 500              | 34/35 | 50/51 |
|            | 3               | 5                   | 250                   | 350              | 10/11 | 22/23 | 3               | 5                   | 350                   | 500              | 34/35 | 50/51 |
|            | 4               | 5                   | 250                   | 350              | 10/11 | 22/23 | 4               | 5                   | 350                   | 500              | 34/35 | 50/51 |
|            | 6               | 5                   | 250                   | 350              | 10/11 | 22/23 | 6               | 5                   | 350                   | 500              | 34/35 | 50/51 |
|            |                 |                     |                       |                  |       |       | *12             | 3                   | 350                   | 500              | 66/67 | 80/81 |
| MEDIUM     | 4               | 19                  | 250                   | 350              | 12/13 | 24/25 | 4               | 19                  | 350                   | 500              | 36/37 | 52/53 |
|            | 6               | 5                   | 2 kV Peak             | 2 kV             | 12/13 | 24/25 | 6               | 5                   | 2 kV Peak             | 2 kV             | 36/37 | 52/53 |
|            | 12              | 5                   | 250                   | 350              | 12/13 | 24/25 | 12              | 5                   | 350                   | 500              | 36/37 | 52/53 |
|            |                 |                     |                       |                  |       |       | *26             | 3                   | 350                   | 500              | 68/69 | 82/83 |
| LARGE      |                 |                     |                       |                  |       |       | 4               | 1-19                | 350                   | 500              | 38/39 | 54/55 |
|            |                 |                     |                       |                  |       |       |                 | 3-60                |                       |                  |       |       |
|            |                 |                     |                       |                  |       |       | 5               | 3-19                | 350                   | 500              | 38/39 | 54/55 |
|            |                 |                     |                       |                  |       |       |                 | 2-60                |                       |                  |       |       |
|            |                 |                     |                       |                  |       |       | 6               | 19                  | 3 kV Peak             | 3 kV             | 40/41 | 56/57 |
|            |                 |                     |                       |                  |       |       | 9               | 19                  | 350                   | 500              | 40/41 | 56/57 |
|            | 18              | 5                   | 6-2 kV Peak<br>12-250 | 6-2 kV<br>12-350 | 14/15 | 26/27 | 18              | 5                   | 6-2 kV Peak<br>12-350 | 6-2 kV<br>12-350 | 42/43 | 58/59 |
|            | 25              | 5                   | 250                   | 350              | 14/15 | 26/27 | 25              | 5                   | 350                   | 500              | 42/43 | 58/59 |
|            |                 |                     |                       |                  |       |       | *37             | 3                   | 350                   | 500              | 70/71 | 84/85 |
|            |                 |                     |                       |                  |       |       | *62             | 3                   | 350                   | 500              | 72/73 |       |

All Connectors are available with Inserts in a Range of Orientations. See Pages 4-7.

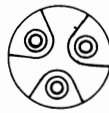
|                  |          |           |         |
|------------------|----------|-----------|---------|
| Specifications:— | SB-M4    | Aluminium | Page 9  |
|                  | SB-M4    | Brass     | Page 21 |
|                  | SB-104   | Aluminium | Page 33 |
|                  | SB-104   | Brass     | Page 49 |
|                  | SB-104DD | Aluminium | Page 65 |
|                  | SB-104DD | Brass     | Page 79 |

# PLAN FORMS

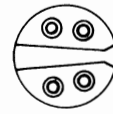
## ACTUAL SIZE



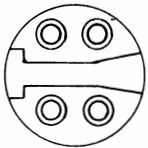
2 WAY  
SMALL



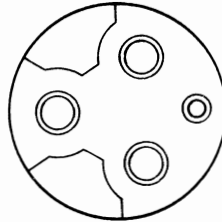
3 WAY  
SMALL



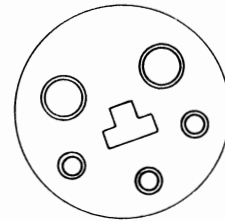
4 WAY  
SMALL



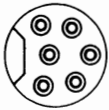
4 WAY  
MEDIUM



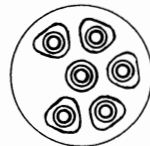
4 WAY  
LARGE



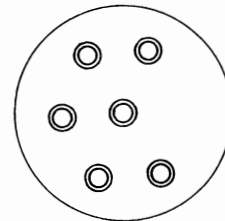
5 WAY  
LARGE



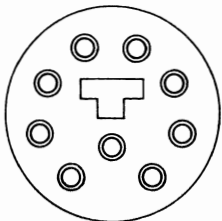
6 WAY  
SMALL



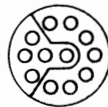
6 WAY  
MEDIUM



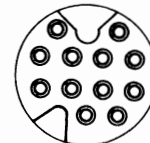
6 WAY  
LARGE



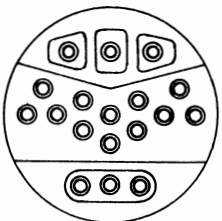
9 WAY  
LARGE



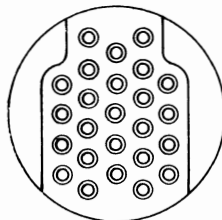
12 WAY  
SMALL



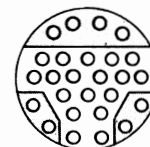
12 WAY  
MEDIUM



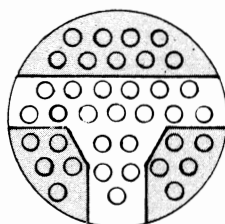
18 WAY  
LARGE



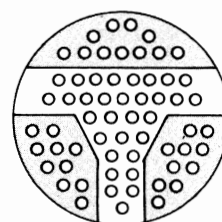
25 WAY  
LARGE



26 WAY  
MEDIUM



37 WAY  
LARGE



62 WAY  
LARGE

# ORIENTATIONS

## SMALL SHELL

| ORIENTATION | 2 CONTACT |        | 3 CONTACT |        | 4 CONTACT |        | 6 CONTACT |        | 12 CONTACT |        |
|-------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|------------|--------|
|             | PLUG      | SOCKET | PLUG      | SOCKET | PLUG      | SOCKET | PLUG      | SOCKET | PLUG       | SOCKET |
| 0           |           |        |           |        |           |        |           |        |            |        |
| 1           |           |        |           |        |           |        |           |        |            |        |
| 2           |           |        |           |        |           |        |           |        |            |        |
| 3           |           |        |           |        |           |        |           |        |            |        |
| 4           |           |        |           |        |           |        |           |        |            |        |
| 5           |           |        |           |        |           |        |           |        |            |        |

THESE ORIENTATIONS ARE NOT TO BE PROVIDED

# ORIENTATIONS

## MEDIUM SHELL

| ORIENTATION | 2 CONTACT |        | 4 CONTACT |        | 6 CONTACT |        | 12 CONTACT |        | 26 CONTACT |        |
|-------------|-----------|--------|-----------|--------|-----------|--------|------------|--------|------------|--------|
|             | PLUG      | SOCKET | PLUG      | SOCKET | PLUG      | SOCKET | PLUG       | SOCKET | PLUG       | SOCKET |
| 0           |           |        |           |        |           |        |            |        |            |        |
| 1           |           |        |           |        |           |        |            |        |            |        |
| 2           |           |        |           |        |           |        |            |        |            |        |
| 3           |           |        |           |        |           |        |            |        |            |        |
| 4           |           |        |           |        |           |        |            |        |            |        |
| 5           |           |        |           |        |           |        |            |        |            |        |

NOT YET AVAILABLE

# ORIENTATIONS

## LARGE SHELL

| ORIENTATION | 4 CONTACT |        | 5 CONTACT |        | 6 CONTACT |        | 9 CONTACT |        |
|-------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
|             | PLUG      | SOCKET | PLUG      | SOCKET | PLUG      | SOCKET | PLUG      | SOCKET |
| 0           |           |        |           |        |           |        |           |        |
| 1           |           |        |           |        |           |        |           |        |
| 2           |           |        |           |        |           |        |           |        |
| 3           |           |        |           |        |           |        |           |        |
| 4           |           |        |           |        |           |        |           |        |
| 5           |           |        |           |        |           |        |           |        |