



# Circular Connectors



| Series          | JB5                                                                               | JB1                                                                               | JN1 / JN2                                                                         | JN1W / JN2W                                                                        | SRCN                                                                                | JL02                                                                                | JL04V                                                                               | JL05                                                                                | N/MS                                                                                |
|-----------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Photo           |  |  |  |  |  |  |  |  |  |
| Shell Size      | Φ11.0mm                                                                           | Φ18.0mm                                                                           | Φ19.0mm                                                                           | Φ26.2mm                                                                            | Φ21.2-33.2mm                                                                        | Φ34-62.7mm                                                                          | Φ22-56.3mm                                                                          | Φ36-51.7mm                                                                          | Φ20-77mm                                                                            |
| Pin Count       | 3, 4, 5, 6, 8                                                                     | 3, 5, 10                                                                          | 4, 10                                                                             | 5, 15                                                                              | 3, 5, 7, 10, 16, 24                                                                 | 10, 17, 19, 24, 37, 48, 54                                                          | 3, 4, 6, 7, 8, 9, 18, 22                                                            | 4,5,7,8,9,10, 17,19,24,30, 36,37,52,73                                              | 1~11,14,16,17, 19,22,24,26,35, 37,48,54                                             |
| Shell Material  | Metal                                                                             | Metal                                                                             | JN1: Plastic<br>JN2: Metal                                                        | JN1W: Plastic<br>JN2W: Metal                                                       | Metal                                                                               | Metal                                                                               | Metal                                                                               | Metal                                                                               | Metal                                                                               |
| Mated Condition | IP68                                                                              | IP67                                                                              | IP67                                                                              | IP67                                                                               | N/A                                                                                 | N/A                                                                                 | IP67                                                                                | IP67                                                                                | N/A                                                                                 |
| Current Rating  | 2 ~ 3A                                                                            | 3A                                                                                | 3 ~ 5A                                                                            | 3 ~ 13A                                                                            | 5 ~ 10A                                                                             | 1.5 ~ 3.0A                                                                          | 13 ~ 80A                                                                            | 5 ~ 46A                                                                             | 13 ~ 150A                                                                           |
| Voltage Rating  | 200VAC ~ 320VAC                                                                   | 300VAC                                                                            | 200VAC                                                                            | 200VAC ~ 400VAC                                                                    | 250VAC / 350VDC                                                                     | 200VAC ~ 500VAC                                                                     | 100VAC ~ 500VAC                                                                     | 250VAC ~ 900VAC                                                                     | 200VAC ~ 3,000VAC                                                                   |
| Durability      | 5,000 cycles                                                                      | 500 cycles                                                                        | 500 cycles                                                                        | 500 cycles                                                                         | 500 cycles                                                                          | 500 cycles                                                                          | 500 cycles                                                                          | 500 cycles                                                                          | 500 cycles                                                                          |
| Lock            | Push-pull                                                                         | Threaded                                                                          | Push and twist                                                                    | Push and twist                                                                     | Screw                                                                               | Threaded                                                                            | Threaded                                                                            | Bayonet                                                                             | Threaded                                                                            |
| Operating Temp  | -55 ~ +85 °C                                                                      | -30 ~ +85 °C                                                                      | -20 ~ +125 °C                                                                     | -20 ~ +125 °C                                                                      | -25 ~ +85 °C                                                                        | -55 ~ +85 °C                                                                        | -55 ~ +125 °C                                                                       | -55 ~ +125 °C                                                                       | -55 ~ +125 °C                                                                       |
| Wire Size       | AWG #22-28                                                                        | AWG #22-28                                                                        | AWG #20-28                                                                        | AWG #14-28                                                                         | AWG #16-20                                                                          | AWG #4-16                                                                           | AWG #4-18                                                                           | AWG #8-26                                                                           | AWG #0-16                                                                           |
| Termination     | Solder                                                                            | Crimp                                                                             | Crimp / Solder                                                                    | Crimp / Solder                                                                     | Solder                                                                              | Crimp                                                                               | Solder                                                                              | Crimp / Solder                                                                      | Solder                                                                              |
| Features        | Small size.<br>Unmated waterproof.                                                | EMI Shielding                                                                     | One-touch locking mechanism                                                       | One-touch locking mechanism                                                        | UL approved. 5 insert guide keys.                                                   | Mates with MIL-C-5015 standard.                                                     | TUV and UL approved                                                                 | JIS B 6015 compatible.                                                              | UL approved. Mates with MIL-C-5015 standard.                                        |