



Shrouded and Unshrouded Contacts, Modification Codes and Application Notes

ABOUT SHROUDED AND UNSHROUDED SUPERFLY® CONFIGURATIONS

Shrouded contacts are recessed within the Insert. Unshrouded contacts extend from the insert face. Figure 1 shows a shrouded insert, and figure 2 illustrates an unshrouded insert. Shrouded inserts contain 1 amp and 3 amp Twistpin contacts along with 5 amp socket contact. Unshrouded inserts contain 1 amp and 3 amp sockets and 5 amp pin contacts.

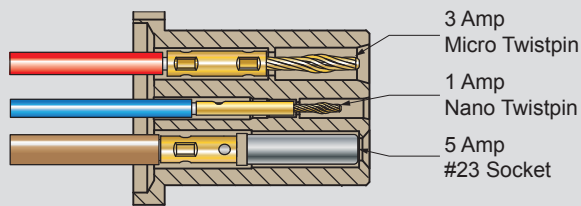


Figure 1
Shrouded Type B Insert

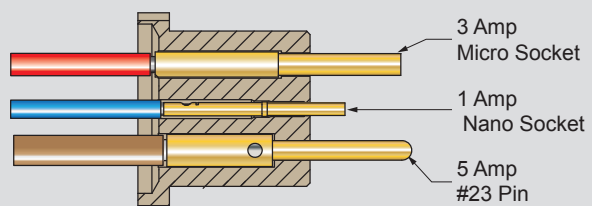


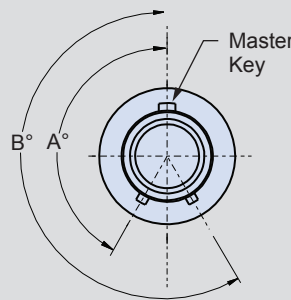
Figure 2
Unshrouded Type A Insert

A

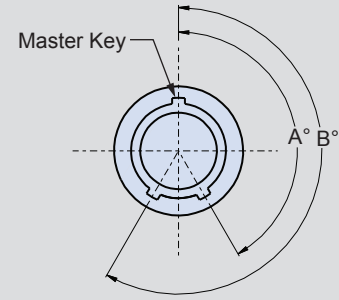
MOD-686 POLARIZING OPTIONS

Standard SuperFly® connectors feature a single key and keyway for shell polarization. Optional alternate key positions are available for situations where multiple connectors are used. Add the suffix code shown below to the part number. Example: 880-003RA-E3W-M200J5-24-**686A**.

Alternate Key Positions			
Key Position	Suffix Code	A°	B°
A	686A	150°	210°
B	686B	75°	210°
C	686C	95°	230°
D	686D	140°	275°
E	686E	75°	275°
F	686F	95°	210°



Plug Key Positions



Receptacle Key Positions

MOD-518 OPEN FACE SEALING

Standard SuperFly® connectors meet IP67 when mated. If water immersion is a requirement for open face (unmated) connectors, the connector should be specially processed and tested. Modification code 518 specifies special processing and 100% leak testing. Connectors are 100% tested to meet a leak rate of 1×10^{-4} cc/second of helium at 1 atmosphere pressure differential. Add suffix code -518 to the part number to call out open face sealing.

Example: 880-004RA-G6M10N-M035J-24-518

APPLICATION NOTE: SAND AND DUST EXPOSURE

Unmated SuperFly® connectors should not be exposed to sand, dust or debris, which can be entrapped in the small contact cavities. Debris entrapment can cause excessive contact wear and possible failure. Unmated connectors should be fitted with dust caps or protective covers.