

Connector features 16 auxiliary positions & selective mate keys



Anderson Power Products

announces a new addition to their multipole connector selection with the release of the new [SB Smart connector](#) [1]. The SB Smart is designed to meet the connection needs for high power [storage batteries](#) [1] which are integrated into a larger system or where batteries require monitoring & control circuits. New features introduced include an optional 16 position auxiliary power & signal module and an innovative [selective mate keying](#) [1] system.

Two primary power contacts feature proven flat wiping contact technology invented by APP® over 60 years ago. Crimp and poke contacts are available for up to 1/0 AWG (50mm²) wire. These low-resistance silver plated contacts allow for a UL rating of up to 230 amps per pole. The rugged & UL94 V-0 flame retardant polycarbonate housing with power & signal contacts can last up to 10,000 mating cycles.

The SB Smart [auxiliary module](#) [1] can accommodate up to 16 auxiliary positions which are suitable for signal or low power (up to 20 amps). Crimp & poke gold plated, pin and socket contacts are available for 12-20 AWG (2.5 – 0.5mm²) wire. Pin contacts are available in 3 different lengths to allow sequencing within the auxiliary module. All auxiliary positions are sequenced make-last, break-first in relation to the power contacts.

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Connector housings have an integral keying system which allows only intended connector halves to mate. Batteries, chargers, and the device / vehicle side of the connection all have their own unique keys which allow only battery-to-charger and battery-to-device / vehicle connections, while preventing charger to device connections. Housings also have an integral color-coded voltage key which can be used to prevent systems with dissimilar voltages or auxiliary configurations from mating.

www.andersonpower.com [2]

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Links:

[1] <http://www.andersonpower.com/products/sb-smart.html>

[2] <http://www.andersonpower.com>