

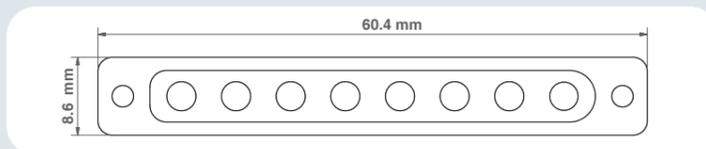
VERSATYS® OUTBESTS D-SUB CONNECTORS

Why is Versatys® better than a D-Sub ?

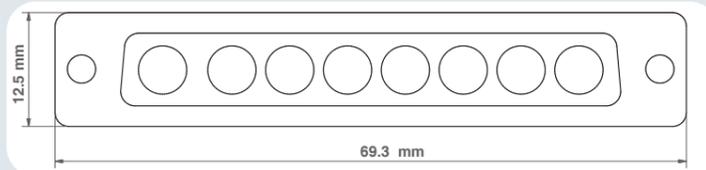
Compared with power D-Sub, Versatys® connectors deliver substantial space and weight savings while achieving the same overall performance.

- You can mate and lock up to 15 Versatys® connectors inside a minute with the D-Click® fast-locking system (compared to 1 D-Sub in over 2 minutes)
- 40 % smaller than D-Sub connectors
- 40 % lighter than D-Sub connectors
- Best RF performances at 40 GHz
- ATOX and radiation resistant
- Cost-effective solution in terms of launch costs (space)
- Time saving during integration as no tooling required: cost-effective solution !
- Fast locking D-Click® system: one single click and the plug is connected and locked to the receptacle
- Components of the Versatys® connector including the shell, contacts and wires can all be ordered in kit form
- Easy maintenance: no need to change the whole connector when a line is damaged
- ITAR-free

VERSATYS® - 8 WAYS



D-SUB - 8 WAYS



Ultra-fast connection, modularity, weight and space saving all in a tiny parcel! This is what the new range of Axon's Versatys® power connectors offers. Derived from Micro-D technology, these miniature connectors can be mated and locked in place without any tooling and all in a single click. The time saving is clear ! Available in both aeromil and space versions, this is the ideal solution to supply electrical and electronic devices for satellites and aircraft.



AERONAUTICS



SPACE

CHARACTERISTICS	DISMOUNTABLE VERSATYS® 8 WAYS	D- SUB 8W8 8 WAYS	VERSATYS® VERSUS D-SUB®
SIZE	60.4 mm * 8.6 mm	69.3 mm * 12.5 mm	40 % smaller
MAX WEIGHT (SHELL + CONTACTS)	16.6 g	29.5 g	40 % lighter US \$130 launching costs saved by connector *
DISMOUNTABILITY	Easy and quick No tooling required	Specific tooling needed	2 seconds compared to > 1 minute
LOCKING	Fast locking- just one click !	Jackscrew hardware Torque driver required	Less than 4 seconds with D-Click® system
POWER CONTACTS			
TEMPERATURE	-65°C / + 200°C dismountable version -65°C / +125°C non-dismountable version & PCB	-55°C / +125°C	Greater temperature range
CURRENT	40A per contact, 20A after derating	40A per contact, 20A after derating	Same performance
COAXIAL CONTACTS			
RF PERFORMANCES	ROS 1.25 @ 40GHz	ROS 1.4 @ 1 GHz	Higher performance

* Launching cost for Ariane 6: US \$10/gram

CONSTRUCTION & TECHNICAL CHARACTERISTICS

- According to ESCC 3401/092 - 093 - 094
- Based on Micro-D connector technology (MIL-DTL-83513 and ESCC3401/029)
- A large number of combinations with power contacts
 - plug or receptacle shells,
 - pigtailed and PCB versions (CBR/BS)
- Dismountable or potted versions, depending on the application
- Fast locking or standard hardware, depending on the application
- Connectors available in 4 or 8 ways
- Size 12 or size 16 power contacts:
 - Size 12 power contact compatible with 12AWG, 14AWG, 16AWG wires (ESCC, MIL standard)
 - Size 16 power contact, compatible with 16AWG, 18AWG, 20AWG wires (ESCC, MIL standard)
- Size 12 coax contact compatible with axowave® coaxial cables (X25SK/Ao86)
- Several versions available:
 - Space dismountable version: MMCSA reference
 - Space non dismountable version: MMCS reference
 - Aeromil dismountable version: MMCA reference
 - Aeromil non dismountable version: MMC version

- Vibration: 20 g
- Shocks: 50 g

Previously, the D-Sub represented the «best» approved rectangular on the market...
...TODAY VERSATYS® «outbests» the BEST.

