

1. ELECTRICAL INTERFACE

The table below describes the interface in the ADS-DV to provide electrical power and CAN data to the AI systems.

Power 1	Power for the AI Computer
Voltage range	12-16 V (15 V nominal)
Maximum current	25 A
Connector (vehicle side)	Deutsch DTP04-2P-E003 (male terminals)
Connector (AI system side)	Deutsch DTP06-2S-E003 (female terminals)
Power 2	Power for other AI hardware, e.g. LiDAR, cameras, etc.)
Voltage range	12-16 V (15 V nominal)
Maximum current	25 A
Connector (vehicle side)	Deutsch DTP04-2P-E003 (male terminals)
Connector (AI system side)	Deutsch DTP06-2S-E003 (female terminals)
CAN	
Data transfer rate	500 kbps
Connector (vehicle side)	D-Sub 9-way (female)