Overview

Product information



MTDC-T-050A-V5-03-5.0M-10A(H)-22100000016

Vehicle-side charging gun, compliant with SAE J3400 and UL2251 standards, enables rapid DC (Direct Current) charging for electric vehicles (EVs) via Tesla vehicle sockets, designed for commercial charging stations.

Product advantages

☑ Local potting process, lightweight design, all internal electronic components are fully sealed
☑ High protection performance standard, supports charging at 5000M altitude, and features IP67 protection rating for the main body
☑ Thin-diameter cable, remains flexible in low-temperature conditions, enabling convenient and easy charging
☑ Reliable materials, capable of withstanding 1-meter drop and 2-ton vehicle rolling
☑ Power contact surfaces are silver-plated, reducing relative insertion and extraction under contact resistance conditions

Product certification

Technical data

Product drawing

3D model

Dimension

Vehicle connector width	41.5mm（Vehicle charging connector）
Vehicle connector depth	194.3mm（Vehicle charging connector）
	101mm(Vehicle charging connector)
Cable length	5000±100mm
Strip length	100±10mm

Environmental conditions

Ambient temperature (storage / transport)	-40 °C ~ 80 °C

Ambient temperature (operation)	-40℃~50℃
Maximum altitude	3000m（Above sea level）
IP class	Type 3R

Cable

Cable composition	2*8AWG+1*10AWG+8*22AWG
Cable outer diameter	15.0±0.5mm

Mechanical properties

Pull out force	<90N
Insertion force	<90N

Electrical characteristics

Maximum charge power	50KW
	3.5KW
Phase	1
Power pin quantity	3
Power contact rated voltage	1000
Quantity of signal contacts	2
Signal contact rated current	2
Signal contact rated voltage	30
Signal transmission type	Pulse width adjustment

Mechanical properties

Insertion/pullout cycle	10000

Marking material

Shell color	black
Cover color	black

Customization basis	Provided according to customer requirements
Shell material	Plastic
Handle material area	Plastic
Protective cover material	Soft plastic
Flammability rating	V0
Contact surface material	Ag

Cable

Wiring standard	UL62
Wiring level	5 class
Wire type	Straight line
Outer sheath,color	black
Outer sheath, material	TPE

Material data

Environmental items(Compliant with REACH/RoHS)	Yes

Accessories

Business data

Order number	22100000016
Packing unit	1PCS/box
Minimum order quantity	1
Products weight (without packaging)	